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OREGON STATE  
MAY 12, 1923

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April 9, 1923

To the Grand Council, Kappa Kappa Psi Honorary Musical Fraternity for University Bandsmen.

Whereas, the Oregon State Agricultural College ranks as one of the leading institutions of the Pacific Northwest, as shown in the following pages;

And Whereas, the Oregon State Agricultural College Band has built up an enviable musical reputation throughout the country;

And Whereas, we believe that a chapter of Kappa Kappa Psi at the Oregon State Agricultural College would be an asset to the fraternity as well as to our institution;

Be it Therefore Resolved, That we, members of Alpha Mu, earnestly and respectfully petition the Grand Council Of Kappa Kappa Psi to grant us a charter at the institution.

If granted a chapter, we promise to uphold the standards and ideals of Kappa Kappa Psi and to earnestly endeavor to foster the welfare of Kappa Kappa Psi in every way possible.

Floyd B. Willert  
President

John C. Garman  
Secretary

THE COLLEGE



## THE OREGON STATE AGRICULTURAL COLLEGE

### FOUNDATION AND ENDOWMENT

By an Act of Congress, approved by President Lincoln, July 2, 1862, a grant of land to the amount of thirty thousand acres, or its equivalent, was made to each state in the Union for each senator and representative in Congress to which the state was entitled by the apportionment of the census of 1860. The proceeds under this Act were to constitute a perpetual fund. The principal of this fund was to remain forever undiminished; but the interest arising from the fund was to be inviolably applied by each state that should avail itself of the benefits of the Act to the support and maintenance of a "college where the leading objects shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." Ninety thousand acres of land were apportioned to Oregon; and by an Act approved October 9, 1862, the Legislative Assembly of Oregon accepted the provisions of the Congressional law.

### HISTORY

The legislature of 1868 provided for the location of the land received under the Act of 1862, and as there were no state colleges in Oregon at that time designated Corvallis College, a private institution in Benton county under the control of the Methodist Episcopal Church, South, as the recipient of the interest on funds to be derived from the sale of this Government land. For a number of years, however, none of the land was sold, and the legislature made small annual appropriations for the support of the institution.

In 1885, the church voluntarily relinquished its claim on the funds of the College, and the State assumed entire control of the institution. The legislature of that year provided for the "permanent location of the State Agricultural College at Corvallis, in Benton county," on the condition that the citizens of said county should, within four years, erect on the "farm containing thirty-five acres in the immediate vicinity of said city, known as the Agricultural College Farm, brick buildings for the accommodation of said State Agricultural College, at a cost of not less than \$20,000." During the summer of 1887, the cornerstone of the building erected by the citizens of Benton county was laid by the Governor of Oregon amid impressive ceremonies.



This structure, now known as the Administration Building, was the nucleus around which other buildings soon began to cluster, as necessity and growing interest demanded. For a year or two there was ample room; but, as the institution grew, more land was needed and provided, and the institution now owns, as compared with the thirty-five acres originally comprising the campus and grounds, three hundred forty-nine acres; and as compared with one structure, thirty-nine. There has also been a marked increase in the attendance, from ninety-seven to approximately five thousand students. Thirty years ago, most of the students came from Benton and neighboring counties. Today, every county in Oregon, thirty-eight other states, and fifteen foreign countries are represented. The increase in the number of students called for an increase in the number of the faculty. This body, from the number of five in 1884, has grown until it now numbers about five hundred twenty seven. Other features usually found in connection with progressive educational institutions have grown in equal ratio. The curricula have been strengthened, the standards, both for entrance and graduation, have been advanced, organization has kept pace with development, and other improvements have been made from time to time, which have added to the thoroughness and efficiency of the work.

## LOCATION

The seat of the Oregon Agricultural College is Corvallis, a city of 6,500 inhabitants, situated at the head of navigation on the Willamette River. As the name implies, it is in the heart of the Willamette Valley, famous for its varied and abundant resources.

It is readily accessible by steam and electric railway from all parts of the State, the main-line Southern Pacific steam trains all connecting with Corvallis, and both the "West-side" Electric and the Oregon Electric trains running into the city. In addition to those north-and-south railways, an east-and-west railway running through the city connects the college with the Cascade Mountains on the east and the ocean, at Newport, on the west. Corvallis has free mail delivery, excellent paved streets, good schools, many churches, attractive residences, a modern sewer system, and a first-class gravity water system supplied from the springs on the slopes of Mary's Peak, the tallest mountain in the Coast Range, sixteen miles to the west.

Situated on high, well-drained land, open to the invigorating sea breeze, Corvallis is one of the most healthful cities in Oregon. The climate is remarkably equable, and severe storms are almost unknown, summer or winter. The average annual temperature for 28 years (1890-1918) is 55.01 degrees Fahrenheit, and the average annual rainfall for the same period is 42.76 inches. The lowest temperatures for the five years, 1914 to 1918 were respectively 13, 21, 8, 14, and 19 degrees Fahrenheit in December and January; and the highest temperatures for the same years, in July and August, were respectively, 100, 97, 99, 103, and 99 degrees Fahrenheit.

The glens and gorges of the Coast Range, beginning only a few miles west of Corvallis, the distant splendor of the Cascades, sixty miles to the eastward, with their wealth of trees and the perennially snow-capped peaks--Hood, Jefferson, and the Three Sisters--present a constant panorama of picturesque mountain scenery. With such an environment, Corvallis is an ideal location for a college and a home.



## THE INCOME OF THE COLLEGE

Funds for the support of the College in its three grand divisions of work, Resident Instruction, Experiment Station, and Extension Service, are derived both from the National Government and the State of Oregon, as follows:

### FOR RESIDENT INSTRUCTION

#### From The National Government

Land-Grant Interest Fund. Interest under the land-grant fund accruing under the act of Congress of 1862 approximates \$11,500 a year. No part of this fund may be used for the purchase, erection, or maintenance of any building.

The Morrill-Nelson Fund. An additional annual appropriation of \$50,000 a year is provided in the Morrill Act of 1890 and the Nelson amendment thereto of 1907, with the same limitation as to usage indicated for the land-grant interest fund.

#### From The State Of Oregon

The Millage Tax. The Resident Instruction work of the College is chiefly dependent for maintenance, including buildings and betterments, upon the income from the millage tax, as provided by the State Legislature of 1917, and by vote of the people May 21, 1920. The income from this source for the calendar year of 1932 is \$1,108,701.

From entrance fees, for the year 1931-32, Resident Instruction work derived an income of \$52,492.35, of which \$18,710 was from non-resident students.

### FOR EXPERIMENT STATION

Funds for the Agricultural Experiment Station, including the main station at Corvallis and seven branch stations, each in an important agricultural section of the State, are derived from the National Government, the State of Oregon, and Oregon counties, as follows:

#### From The National Government

The Hatch Fund. Under an act of Congress, approved March 2, 1887, the College receives \$15,000 a year for the maintenance of an Agricultural Experiment Station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture."

The Adams Fund. An act of Congress, approved March 20, 1906, provides an annual appropriation of \$15,000. This fund is "to be



applied only to paying the necessary expenses of conducting original researches or experiments bearing directly on the "Agricultural industry" of the State, and therefore supplements the Hatch Fund in the maintenance of the Experiment Station.

For the support of the Branch stations at Moro and Hermiston the National Government appropriates annually \$7,500.

#### From The State Of Oregon

State Funds. The State legislature of 1921 made the following appropriations for agricultural investigations during the biennium, 1921-1922. For the general work of the Experiment Station, \$50,000; for crop pest and horticultural investigations, \$30,000; for soil, drainage, and irrigation investigations, \$15,000; for dairy investigations, \$15,000, making a total of \$110,000.

The State also appropriates \$44,500 annually for the support of branch experiment stations at Astoria, Burns, Hermiston, Hood River, Moro, Talent, and Union.

County Fund. The Hood River Station receives an additional appropriation of \$4,000 annually from Hood River county.

#### FOR EXTENSION SERVICE

The Smith-Lever Fund. This fund was established by the Smith-Lever Agricultural Extension Act passed by Congress May 8, 1914. By its provisions the Oregon Agricultural College received \$10,000 from the Federal Government to apply towards the support of the Extension Service for the fiscal year ending June 30, 1915. This sum was to be increased annually for seven years, the maximum being reached in the fiscal year 1922-23. In order to maintain Extension work, which had expanded rapidly during the war, Congress appropriated for the fiscal year 1919-20 a Supplemental Federal Smith-Lever fund of \$1,500,000, making available for that year the maximum Smith-Lever fund. Supplemental appropriations in the same amount were provided for the two following fiscal years. For the year 1922-23 the Supplementary appropriation was reduced to \$1,300,000. For the year ending June 30, 1923, Oregon receives \$41,300.38 Federal Smith-Lever fund. This is the maximum increase under the Smith-Lever Act of May 8, 1914, and continues as a permanent appropriation as long as a sum equal to the increase over the basic \$10,000 be "appropriated for that year by the legislature" of the State, "or provided by state, county, college, or local authorities, or individual contributions within the State for the maintenance of the cooperative agricultural extension work provided for in this Act." Oregon's share of the supplemental fund of \$1,300,000 is \$9,924.51, making the total Smith-Lever funds for the fiscal year 1922-23, \$51,224.89.

Department of Agriculture Cooperative Funds. For the fiscal year ending June 30, 1923, the United States Department of Agriculture has given Oregon \$24,600 for Extension work in agriculture and home economics, the State duplicating this

amount up to \$15,000, as shown under "Coöperative work." In addition, the Bureau of Biological Survey of the United States Department of Agriculture has appropriated approximately \$10,000 for rodent control work during the fiscal year.

From the State of Oregon.

For General Extension Work. The State appropriates \$25,000 a year for general extension work, including extension schools, lectures, demonstrations in agriculture and homemaking, publications, and Farmers' and Homemakers' week. To meet the Smith-Lever increase the State appropriated \$55,087.48 for the biennium 1921-1922.

For cooperative work. For cooperative work with the United States Department of Agriculture, as above mentioned, the State appropriates \$15,000 a year.

For County Extension work. To meet the appropriations made by various counties for maintaining county extension work, including agricultural and home demonstration agent work, the State is now appropriating approximately \$56,400 a year.



## COLLEGE CURRICULA

### Undergraduate Study

It is to be noted that instruction does not tend to overdo the practical work but aims to balance the courses, providing for a liberal amount of classical work in conjunction with the specialized degree courses. Strong courses are given in English, History, Mathematics, Political Science, Pedagogy, Public Speaking, Expression, Psychology, Art, Music, and related subjects.

The following table outlines the various courses leading to baccalaureate degrees:

In the School of Engineering, major courses in

- |                          |                          |
|--------------------------|--------------------------|
| a Mechanical Engineering | e Structural Engineering |
| b Civil Engineering      | f Irrigation Engineering |
| c Electrical Engineering | g Industrial Arts        |
| d Highway Engineering    | h Chemical Engineering   |

In the School of Agriculture, major courses in

- |                              |                          |
|------------------------------|--------------------------|
| a Agriculture (general)      | h Farm crops             |
| b Agricultural Chemistry     | i Farm Management        |
| c Animal Husbandry           | j Farm Mechanics         |
| d Bacteriology               | k Horticulture           |
| e Botany and Plant Pathology | l Poultry Husbandry      |
| f Dairy Husbandry            | m Soils                  |
| g Entomology                 | n Zoology and Physiology |

In the School of Commerce, major courses in

- |                           |                                    |
|---------------------------|------------------------------------|
| a Business Administration | c Political Science                |
| b Economics and Sociology | d Stenography and Office training. |

In the school of Forestry, major courses in

- |            |                       |
|------------|-----------------------|
| a Forestry | b Logging Engineering |
|------------|-----------------------|

In the School of Home Economics, major courses in

- |                     |                            |
|---------------------|----------------------------|
| a Household Art     | c Household Administration |
| b Household Science | c Institutional Management |

In the School of Mines, major courses in

- |                       |                      |
|-----------------------|----------------------|
| a Ceramic Engineering | c Mining Engineering |
| b Geology             |                      |

In the School of Pharmacy, major courses in

- |            |
|------------|
| a Pharmacy |
|------------|

In the School of Military Science, major courses in

- |                                |                        |
|--------------------------------|------------------------|
| a Military Science and Tactics | b Military Engineering |
|--------------------------------|------------------------|

## GRADUATE STUDY

The Oregon State Agricultural College offers to its graduate students and to those of other institutions of equal rank, work in Agriculture, Home Economics, and Pharmacy leading to the degree of M. S.; and work in Engineering, Mining and Forestry, leading to the usual professional degrees.



## THE COLLEGE PLANT

The college plant at the present time consists of three hundred and forty-nine acres, of which ninety are laid out in lawns and walks surrounding the buildings.

Following is a list of the principal buildings on the campus with the size and type of construction indicated for each;

Name	Dimensions	Material
Administration	90 x 120 3 story	brick
Science Hall	85 x 125 4 story	granite and sandstone
Agricultural Hall		
Administration wing	66 x 140 4 story	
Agronomy wing	72 x 130 3 story	
Horticultural wing	72 x 130 3 story	
Dairy Building	54 x 141 3 story	brick and sandstone
Forestry Building	80 x 136 3 story	brick and sandstone
Home Economics		brick and sandstone
East wing	68 x 120 4 story	
Central unit	72 x 140 4 story	
Mines Building	65 x 81 4 story	brick and sandstone
Apperson Hall	90 x 120 3 story	granite and sandstone
Mechanical Arts	52 x 52 2 story	brick
East wing	40 x 220 2 story	brick
South wing	40 x 220 1 story	brick
Women's Gynasium	70 x 120 1 story	stone and wood
Men's Gymnasium	90 x 150 2 story	Brick and sandstone
East wing	52 x 96 2 story	
West wing	52 x 96 2 story	
Enclosed Pool	70 x 140 1 story	
Armory	126 x 335 2 story	concrete and steel
Waldo Hall	96 x 240 4 story	brick and sandstone
Cauthorn Hall	50 x 160 3 story	frame
Shepard Hall	50 x 100 2 story	brick
Men's Dormitory	57 x 204 3 story	frame
Engineering Laboratory	63 x 200 3 story	brick and sandstone
Library	90 x 150 3 story	brick and sandstone
Farm Mechanics	50 x 120 2 story	brick and sandstone
Commerce Building	90 x 150 3 story	brick and sandstone
Margaret Snell Hall	60 x 200 3 story	brick and sandstone

The valuation of the present college plant, including land, equipment, and buildings is \$3,150,000. The immediate building program follows:

Women's building including gymnasium and pool	\$150,000
Auditorium	250,000
Physics Building	125,000
Additional Dormitories for both men and women	

The enrollment for 1921-22 was 3914 in degree courses, and 5511 in all college courses, an increase of nearly 100% in a period of four years. The further increase in enrollment which is expected will make even greater expansion necessary in the near future.

## HONOR SOCIETIES

Various societies having as their chief purpose the promotion and recognition of scholarship elect annually from among the student body limited numbers of those who have shown superior scholastic attainment, qualities of leadership, and personal character. The fact that most of these societies are national in scope, with chapters in the leading colleges and universities and with uniformly high standards for membership, makes election to one of the honor societies a distinction greatly prized. The following list includes the honor societies at present represented at the Oregon Agricultural College.

Alpha Kappa Psi (Commerce, men, O. A. C. chapter established 1914.)

Alpha Zeta (Agriculture, men, O. A. C. chapter established 1922).

Beta Alpha Psi (Accounting men, O. A. C. chapter established 1922).

Chi Epsilon (Chemical Engineering, established 1918).

Delta Psi Kappa (Physical education, women, O. A. C. chapter established 1920).

Delta Sigma Rho (Forensic, men, O. A. C. chapter established 1922).

Eta Kappa Nu (Electrical Engineering, O. A. C. chapter established 1921.)

Euterpe (Music, women, established 1920).

Forum (General honorary, men and women, established 1924).

Gamma Sigma Delta (Agricultural, O. A. C. chapter established 1909).

Lambda Phi Lambda (Engineering, established 1920).

Omicron Nu (Home Economics, O. A. C. chapter established 1919).

Phi Theta Kappa (Commerce, women, O. A. C. chapter established 1920).

Rho Chi (Pharmacy, men and women, O. A. C. chapter established 1919).

Scabbard and Blade (Military, O. A. C. chapter established 1920).

Scribe (Local, journalistic, women, established 1921).

Sigma Delta Chi (Journalistic, men, O. A. C. chapter established 1920).

Xi Sigma psi (Forestry, O. A. C. chapter established 1921).

Zeta Kappa Psi (Forensic, women, O. A. C. chapter established 1921).



## MUSICAL ORGANIZATIONS

Musical organizations at the College are directed and coached by members of the faculty of the School of Music. Further details may be found by referring to the section of the Catalogue devoted to the School of Music.

The College Band. To become a member of the College Band a student must pass a satisfactory examination in the elements of music and ability to perform on his instrument. Attendance at rehearsals and individual practice are required. Members furnish their own instruments, except basses, baritones, altos, and drums, which are furnished by the College. Instruments must be in low pitch.

The Orchestra. Membership in the College Orchestra is on a basis of standards of musical attainment determined by the conductor of the Orchestra. The training afforded by membership in the Orchestra is of great educational and cultural value to the student.

The Glee Club. Membership in the Glee Club is determined by the director after personal examination of the voices of candidates from all classes in the College. Regular rehearsals are required. The club participates in many public campus functions and annually tours the State. The programs presented are composed of the best classical and popular music for men's voices, the preparation of which is a valuable experience in voice culture and interpretation.

The Madrigal Club. The Madrigal Club is a singing organization for young women open to talented singers throughout the student body. The club is honored by membership in the National Federation of Music Clubs. Concerts by the Madrigal Club include the most beautiful classical arrangements for women's voices, as well as those termed "popular" and frequently this club presents an opera in conjunction with the Glee Club.

The Mandolin and Guitar Club. The Mandolin Club fills a place in student life for those enjoying the "small strings" in combination. The club is open to all qualified students, and numbers among its members some of the most highly gifted student musicians on the campus.



T H E B A N D

## PERSONNEL OF BAND 1922-23

### Cornets:

Rankin, Gray S. Jr.  
Woodruff, Clinton V. Soph.  
Cockburn F. R. Fr.  
Glassford E. R. Fr.  
Meissner, C. R. Fr.  
Wightman, Edward, Soph.

### Basses:

Dougherty, Ralph P. Soph.  
Johnson, Elmer Sr.  
Willert, F. B. Sr.  
Cave, Ira. B. soph.  
McCart, Ray, Soph.

### Trombones:

Whittemore, Chas, Soph  
Bone, W. N. Soph  
La Bare, L. W. Soph.  
Morgan, Chester, Fr.  
Smith, Paul F. Soph.

### Horns and Altos:

Stroud, Howard, R. Jr.  
Robertson, Irwin J. Sr.  
Powers, Treval R. Fr.  
Wells, Archie M. Fr.  
Clayton, Mark M. Soph.

### Clarinets:

Garman, John C. Sr.  
Dobbs, Harry C. Sr.  
Whittemore, John H. Soph.  
DeSart Delmer G. Soph  
Newland Maurice, Fr.  
Bernst, Edwin C. Soph.  
Cummins, Harold G. Soph.  
Alexander, Ray E. Soph.  
Landrith, Lawrence, Fr.  
Dunn, North E. Fr.  
Woods, Clarence, Soph.  
Ayres, Palmer, Fr.  
Fields, Clifford, Fr.  
Baker, W. J. Fr.

### Eb Clarinet:

Orser, A. Fr.

### Flute and Piccolo:

Gray, Richard W. Soph.  
Adkins, Preston L. Fr.  
Silva, Alvin K. SR.

### Bass Drum:

Hettner, Raymond V. Jr.

### Saxophones:

Patrick, Roy L. Jr.  
Hixson, Raymond F. Jr.  
Ewing, Riley B. Soph  
Burnaugh, S. L. Fr.  
Withee, W. W. Fr.

### Snare Drums:

Hicking, William, Sr.  
Bogie, Donald L. Sr.  
Brady, John M. Jr.

### Baritone:

Freeburg, Roy C. Fr.  
Terrell, Irvine S. Soph.

### Director:

Captain H. L. Beard

## HISTORY OF THE BAND

The O. A. C. Band is thirty years old this year. Through this long period of time there has never been a time when there was not a band, and although there were periods of depression at first, it has never been disbanded, but has grown to its present proportions of fifty- five to seventy men every years.

In 1893, G. W. Shaw organized the first O. A. C. Band and was its first director. Student directors were in charge of the band for the first few years, until Captain Harry L. Beard, at the time of appointment to the faculty, student director of the band for several years, was made the permanent director of the band and placed upon the faculty of the institution.

It is interesting to review the various events and festivities that the O. A. C. Band has attended and played for. A few of these are:

The Lewis and Clark World's fair, one week,	Portland 1905
The Rose Festivals	Portland 1907-8-9
The Worlds Fair at Seattle, one week	Seattle 1909
Strawberry Festivals of Roseburg, three days	Roseburg 1910-11-12
World's Fair Panama- Pacific Exposition, 15 days	San Francisco 1915

Many state fairs, county fairs, dedications, public ceremonies and dozens of such engagements of a similar nature in the nearby towns.

In addition to the above named trips to the various places indicated, the band always has taken an annual concert tour through some part of the state or adjoining state in conjunction with part of Oregon. These trips generally last from one to two weeks depending upon the length of the spring vacation, and the territory to be covered. The usual mileage on these trips averages about 800 to 1000, although the last trip (1923) covered over 1500 miles.

The spring trip of the band is almost always a financial success, and quite often there is a favorable balance of several hundred dollars. The music and entertainment offered is of such a quality that everywhere the band has been, the people want it to come back the following year.





THE NEW COMMERCE HALL, TO BE FORMALLY DEDICATED MARCH 30, 1923

# O. A. C. Reserve Officers' Training Corps BAND



H. L. BEARD, Conductor

## In Eighteenth Annual Concert Tour

March 16 to 26, 1923

### ITINERARY

McMinnville	-	-	-	-	Concert and Dance	-	-	-	-	-	March 16
Pendleton	-	-	-	-	Concert and Dance	-	-	-	-	-	March 17
Union	-	-	-	-	Concert afternoon	-	-	-	-	-	March 18
North Powder	-	-	-	-	Concert evening	-	-	-	-	-	March 18
Baker	-	-	-	-	Concert and Dance	-	-	-	-	-	March 19
La Grande	-	-	-	-	Concert and Dance	-	-	-	-	-	March 20
The Dalles	-	-	-	-	Concert and Dance	-	-	-	-	-	March 21
Redmond	-	-	-	-	Concert and Dance	-	-	-	-	-	March 22
Prineville	-	-	-	-	Concert and Dance	-	-	-	-	-	March 23
Bend	-	-	-	-	Concert and Dance	-	-	-	-	-	March 24
Bend	-	-	-	-	Concert	-	-	-	-	-	March 25
Hood River	-	-	-	-	Concert and Dance	-	-	-	-	-	March 26

## PROGRAM

### Soloists

Ira Cave, Vocal  
Ralph Dougherty, BBb Bass  
J. C. Garman, Clarinet  
John Whittemore, Clarinet

1. March—"Celebre Toreador" - - - - - Metallo
2. Overture—"Stradella" - - - - - Flotow
3. (a) Solo for Clarinet—"Air Varie" - - - - - Painpare  
Played by J. C. Garman
- (b) Duet for Clarinets—"The Song of the Nests" - - - Buot  
Played by J. C. Garman and John Whittemore
4. (a) Characteristic—"Poor Relations" - - - - - Bendix
- (b) Polka—"Pizzicato" - - - - - Strauss

INTERMISSION: "High Spots at O. A. C.," one reel of moving pictures, with comment by Edwin T. Reed, College Editor.

5. Tenor Solo—"Across The Burning Sands" - - - - - Meskill and Onivas  
Sung by Ira Cave
6. Fantasia—"Old Kentucky Home" - - - - - Dalbey  
Variations for All Instruments
7. Solo for BBb Bass Wonderphone—"Barbarossa" - Barnhouse  
Ralph Dougherty
8. Suite—"Don Quixote" - - - - - Safranek
  - (a) A Spanish Village
  - (b) Sancho Panza
  - (c) Dulcinea
  - (d) Don Quixote

NOTE—This suite is founded on the story by Cervantes. The first three parts are characteristic. The fourth is somewhat descriptive, depicting the Don's warlike nature. During his journey in quest of adventure he discovers the windmills and attacks them. After the encounter he again sets forth, lamely at first; but he soon becomes again the self-confident, heroically inclined knight of yore.

Star Spangled Banner.

## Roster O. A. C. Band

### Soloists

Ralph Dougherty, BBb Bass  
John C. Garman, Clarinet  
John Whittemore, Clarinet  
Ira B. Cave, Vocal

### Bb Clarinets

J. C. Garman, Portland  
John Whittemore, Corvallis  
H. C. Dobbs, Portland  
D. G. DeSart, Woodburn  
Maurice Newland, Roseburg  
N. E. Dunn, Corvallis  
H. G. Cummins, Nampa, Idaho.

### Eb Clarinet

A. O. Orser, Portland

### Flute and Piccolo

P. L. Adkins, Astoria  
A. K. Silva, Honolulu, T. H.

### Cornets

G. S. Rankin, Albany  
C. V. Woodruff, Breca, California  
F. R. Cockburn, Milton  
E. R. Glassford, Corvallis

### French Horns

Howard Stroud, Mount Vernon, Washington.  
T. C. Powers, Monmouth  
C. I. Olsen, Sherwood  
A. M. Wells, Corvallis

### Trombones

Chas. Whittemore, Corvallis  
Martin King, Portland  
W. N. Bone, Weiser, Idaho  
L. W. La Bare, St. Helens  
P. F. Smith, Elgin

### Baritone

R. E. Freeburg, Mt. Vernon, Washington

### Saxophones

R. F. Hixson, La Verne, California  
R. L. Patrick, Detroit  
R. Ewing, Mt. Vernon, Washington  
S. L. Burnaugh, Portland

### Basses

R. P. Dougherty, Corvallis  
Elmer Johnson, Marshfield  
F. B. Willert, Corvallis  
Ira B. Cave, Salem

### Bass Drum

R. V. Kettner, Linnton

### Snare Drums

Wm. Hicking, Bandon  
D. L. Bogie, Puyallup, Washington

### Drum Major

J. C. Garman, Portland

### Orchestra

Wm. Hicking  
R. E. Freeburg  
R. P. Dougherty  
C. V. Woodruff  
A. K. Silva  
D. G. DeSart  
Martin King  
T. C. Powers

### Eighteenth Annual Tour

H. L. Beard .....	Conductor
F. A. Holmes .....	General Manager
Chas. Whittemore .....	Assistant Manager
D. L. Bogie .....	Business Manager
R. F. Hixson .....	Publicity Manager
Wm. Hicking .....	Dance Manager





MEN'S GYMNASIUM, BAND HEADQUARTERS

THE Oregon Agricultural College is the land-grant institution of Oregon, supported jointly by the Federal and State governments. It was founded to provide a "liberal and practical education" in the several pursuits and professions in life. Accordingly, it offers baccalaureate degrees in Agriculture, Commerce, Engineering, Forestry, Home Economics, Military Science and Tactics, Pharmacy, and Vocational Education, a curriculum as broad and efficient as that of most of the leading state institutions of the country. Its scholarship is thorough; its contact with the leading industries of the Northwest is close and practical, and its ideals are worthy of the great state that it serves.

Student activities are varied and purposeful, ranging all the way from intramural and intercollegiate athletics to forensic, dramatic, and musical organizations—of which the band is one among six that help develop the musical talents of students. Student publications include the daily *Barometer*, the monthly *Oregon Countryman*, *The Orange Owl*, the *Student Engineer*, *The Forest Cruise*, the *O. A. C. Directory*, and *The Beaver*.

Technical and professional clubs serve the interests of the different schools. Honorary fraternities, as well as social fraternities and sororities, give recognition to ideals of leadership, service, and good fellowship.

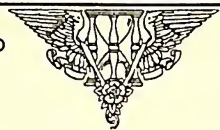
Student body government has prevailed for twelve years, yet the students invite and welcome faculty interest and guidance in all campus activities. A large percentage of students are wholly or partly self supporting. The professional and industrial courses stimulate interest in real life and practical affairs, while the administrative policy of the institution, through the School of Basic Arts and Sciences, insures to all students the essentials of broad scholarship and general culture.



SEVENTEENTH ANNUAL CONCERT  
O.A.C. CADET BAND

---

H. L. BEARD



CONDUCTOR



MEN'S GYMNASIUM  
APRIL 21, 1922  
EIGHT O'CLOCK P. M.

## PROGRAM

### SOLOISTS:

MISS BLANCHE R. HAMMEL, SOPRANO  
IRA CAVE, BARITONE  
RALPH DOUGHERTY, BBb BASS  
G. L. OSBORNE, FRENCH HORN  
R. E. BUTLER, FLUTE

1. March—"Celebre Toreador" - - - *Metallo*
2. Overture—"Rienzi" - - - *Wagner*

NOTE.—The opera *Rienzi* is the first grand opera of Richard Wagner. It is historic in character, dealing with the rise to power and final destruction of *Rienzi*, an ambitious papal notary of Rome in the fourteenth century. Though this opera is not so well known as the other works of the great Wagner, the overture is very popular and is found in the repertoire of every concert band. The music is of a very warlike nature, the overture containing the celebrated battle hymn and war march of *Rienzi*.

3. Solo for BBb Bass—"Barbarossa" - - - *Barnhouse*  
Played by Ralph Dougherty

4. Suite—"Don Quixote" - - - *Safranek*

(a) A Spanish Village

(b) Sancho Panza

(c) Dulcinea

(d) Don Quixote

NOTE.—This suite is founded on the story by Cervantes. The first three parts are character-istic. The fourth is somewhat descriptive, depicting The Don's warlike nature. During his journey in quest of adventure he discovers the wind mills. After the encounter he again sets forth, lamely at first; but is soon the self-confident, heroically-inclined knight of yore.

5. Baritone Solo—"Stand Up and Sing for Your Father  
an old Time Tune" - - - *Perkins*  
Sung by Ira Cave

## INTERMISSION

## PROGRAM

6. Overture to "William Tell" - - - *Rossini*

(1) The Dawn

(2) The Storm

(3) The Calm

(4) The Chase

NOTE.—This overture is from the opera by the same name and has to do with the life of the famous Swiss hero. Hector Berlioz describes this overture as a great symphony in four parts. The lofty and contemplative introduction expresses the peace and solitude of nature, undisturbed by human passions. The second part depicts the rising of the storm on the lake, after which the tyrant Gessler meets his death, and the first blow is struck for Swiss liberty. This is one of the most thrilling passages of storm music in the literature of the art. The third part is pastoral in character. The oboe plays an air, with flute obligato, said to be of Swiss origin. The triangle, struck at intervals, represents the bell of the flock while the shepherds sing their songs. The finale is battle music, stirring today as it was when written nearly one hundred years ago,—the gathering of the cantons, the deliverance of the people.

7. (a) Soprano Solo—"Love and Music; These Have I  
Lived for"—From "La Tosca" - - - *Puccini*

NOTE.—Tosca is one of the most popular operas by Puccini, next, perhaps, to *Madame Butterfly*. This aria is sung by Tosca at the close of a scene with Scarpia, the chief of police. Scarpia has offered to save her lover's life if she will accept his most unwelcome attentions. She scorns him, but when he tells her that Mario, her lover, shall die within an hour, her spirit is broken and weeping for shame she sings this well-known aria, imploring God to know why she has been forsaken as she has given up all her life to love and music, never harming a living being.

- (b) "The Home Road" - - - *Carpenter*  
Sung by Miss Blanche R. Hammel

8. Descriptive—"The Evolution of Yankee Doodle" - *Lake*

NOTE.—A fantasia depicting the gradual evolution of "Yankee Doodle", slowly through "A Storm at Sea", "The Landing of the Pilgrims", "Dance of the Pequot Indians", "Minuet", and "On the Levee", the melody is developed until there emerges the "Waltz Period". This is followed by the "Syncopated Period", and "Grand Opera" finally becomes "The Spirit of 1917".

9. Duet for French Horn and Flute "Serenade" - - *Titl*  
Played by G. L. Osborne and R. E. Butler

10. March "Transcontinental" - - - *Taylor*

## Star Spangled Banner

## ROSTER OF O. A. C. BAND

---

Manager and Chief Musician	J. C. GARMAN
Assistant Manager and Principal Musician	D. R. MARR
Drum Major	G. L. OSBORNE
Librarian	M. E. BEATTY

### *Solo Bb Clarinets—*

J. C. Garman  
John Whittemore  
O. H. Cady

### *1st Bb Clarinets—*

H. C. Dobbs  
G. H. Routledge  
J. S. Campbell

### *2nd Bb Clarinets—*

D. G. De Sarte  
R. M. Hylton  
F. C. Bareinger  
R. E. Alexander  
E. C. Bernst

### *3rd Bb Clarinets—*

R. S. Livingston  
N. D. Hall  
C. L. Woods  
H. G. Cummins

### *Eb Clarinet—*

J. H. Snodgrass

### *Flute and Piccolo—*

R. E. Butler  
L. E. Everhart

### *Soprano Saxophones—*

B. S. Lafferty  
F. H. Dobbin

### *Alto Saxophones—*

A. G. Muir  
R. Ewing  
W. P. Watts

### *Tenor Saxophones—*

R. F. Hixson  
R. C. Clarke  
M. Washburn

### *Baritone Saxophone—*

R. L. Patrick

### *Cornets—*

D. R. Marr  
G. S. Rankin  
C. V. Woodruff  
M. E. Beatty  
K. L. Johnson  
J. F. Martin  
H. F. Ridings  
S. E. Wightman

### *French Horns—*

G. L. Osborne  
D. W. Ritchie  
Howard Stroud

### *Altos—*

I. J. Robertson  
C. I. Olsen  
M. M. Clayton

### *Trombones—*

Chas. Whittemore  
H. S. McCurley  
Howard Cordelle  
W. N. Bone  
L. W. La Bare  
P. F. Smith

### *Baritone—*

I. S. Terrell

### *Bb Bass—*

F. C. Klaus

### *Basses—*

E. M. Johnson  
Ralph Dougherty  
Floyd Willert  
Ira Cave  
Ray McCart

### *Drums—*

G. L. Miller  
W. H. Hicking  
D. L. Bogie  
R. V. Kettner  
J. M. Brady



## SOURCES OF SUPPORT.

The band organization receives support from two main sources of revenue.

1. A part of the Student Body Fund, derived from assessment of students at registration, is apportioned to the band, along with other student organizations. The amount is based upon the annual budget presented by the band manager, and averages between \$400 and \$600 a year.

2. Each year the band makes one or more trips through the state and gives at least one concert on the campus. The revenue derived from these activities helps to support the band.

In addition to the above financial support the band organization is aided in the following ways:

1. Freshmen and Sophomores in the band, who would otherwise be required to take military class work, are exempted therefrom except as the band takes part in such work.

2. Juniors and Seniors who have played in the band for one year, and who can pass an examinst on given by the band director, are given the rating of first class musician. These men, not to exceed twenty in number, are granted a refund of all registration and other college fees at the end of each quarter, up to the amount of fifteen dollars. This refund is granted by the Regents of the college.

3. College credit counting toward graduation is given for band work throughout all four years of college.

4. The national government furnishes instruments to members of the band who do not own instruments.

All these factors tend to keep men in the band during their entire college life, and to develop a stable and dependable organization within the band. With the added incentive of an honorary fraternity for the men to work for, the success of the band should attain even greater heights than it already has.

## KIND OF MUSIC BEING USED IN CONCERT WORK.

The kind of music used by the band in its concert work, as shown in the accompanying copies of concert programs, is the same as that used by any good professional band. Our concert programs themselves can tell more of this than anything that might be said here.

DEGREE OF ADVANCEMENT OF PETITIONING MEMBERS.

The musical standing of the petitioning members in the band is shown by the following table:

Floyd B. Willert, President of Alpha Mu

First class musician, BBb bass, Third chair.

William H. Hicking, Vice-president of Alpha Mu

First class musician, snare drum and bells, First chair.

John C. Garman, Secretary-Treasurer of Alpha Mu

First class musician, Bb clarinet, First chair, soloist, Assistant conductor.

Harry C. Dobbs, Historian of Alpha Mu.

First class musician, Bb clarinet, Third Chair.

Donald L. Bogie,

First class musician, snare drum, First chair.

Raymond F. Hixon,

First class musician, Bb tenor saxophone, First chair.

Elmer J. M. Johnson.

First class musician, BBb bass, Second chair.

Roy Patrick,

First class musician, Eb baritone saxophone, First chair.

Raymond v. Kettner.

First class musician, Bass drum, First chair.

Delmer G. De Sart.

Bb clarinet, Fourth Chair.

Riley B. Ewing.

Eb alto saxophone, First chair.

## WORK THE BAND IS DOING FOR THE INSTITUTION

The band furnishes music for the activities of the Reserve Officers Training Corps at parades, reviews, military tournaments, and often in the regular military class work.

The band furnishes music for all college athletic events, and many have expressed the feeling that the college songs played by the band at critical points during such contests have in many cases been responsible for O. A. C. victory.

The band furnishes music for such events as fortnightly convocation, pep rallies, the business show, the agricultural fair and any other gatherings. The band is always called upon when distinguished visitors are present at the college.

The band has helped to spread the gospel of the college and its work by sending out concerts over the college and other radio sets.

Of greater service to the college than all these however are the annual trips made by the band throughout the state and often into other states. The band has represented the college at all of the great expositions since 1904. An example of the service rendered by these trips is the tour through eastern and central Oregon which has just been completed. The band played on this tour a total of fifteen concerts in thirteen different towns and cities, to people interested in knowing more about the college. With the band were the college editor and the captain of the football team, who gave talks about the college during the intermission in the concert and who also showed films about the college. The publicity given by these men, as well as the quality of music presented by the band and the efficiency and business ability shown by its managers, who by the way, have made such extensive tours as this almost entirely self-supporting, has created an impression of the college in the minds of the Oregon people which cannot but make for the success of the institution.



## ALPHA MU

Its members and their Activities and Accomplishments.

Honorary Member.

Capt. Harry Linden Beard, Director of the O.A.C..Band.

Captain Beard, is a graduate of the college and has been in charge of the college band for nearly twenty years. He has studied under such men as Herbert. L. Clarke, has had wide experience in some of the best bands of the country, and is now a member of the Al Kader Shrine Band of Portland, Oregon. He is recognized as one of the foremost college band directors in the United States.

Active members.

Floyd B. Willert, Senior in Logging Engineering, Corvallis, Ore.

President Alpha Mu, 4  
Tau Delta Fraternity.  
Band 2,3,4.  
Senior Debats, 4.  
Forestry Club, 3,4.  
Vice President, 4.  
Annual Cruise staff, Associate Editor, 4.

William Hicking, Senior in Pharmacy, Bandon, Oregon.

Vice President Alpha Mu, 4.  
Omega Upsilon Fraternity.  
Band, 1,2,3,4.  
College Orchestra, 2,3,4.  
Pharmaceutical Association, 1,2,3,4.  
Dance Orchestra Manager, Band, 3,4.  
Campus Dance Orchestras.

John C. Garman, Teaching Fellow in Electrical Engineering:  
Portland, Oregon.

Secretary-Treasurer, Alpha Mu, 5.  
Sigma Gamma Fraternity.  
Band 1,2,3,4,5.  
Manager 3,4.  
Chief Musician 3,4.  
Student Director, 3,4,5.  
College Orchestra, 1,2,3,4,5.  
Librarian, 3,4.  
House President, 4.  
Vice President 3.  
Eta Kappa Honorary Fraternity, 4,5.  
President 4.

Lambda Phi Lambda, Honorary Fraternity, 3,4,5.  
Tau Epsilon Honorary Fraternity, 3,  
Engineering Council, 4.  
A.I.E.E. 3,4,5.  
A.A.E. 3,4,5.  
Pistol and Rifle teams, 3,4.  
Honor Graduate, 4.

Harry C. Dobbs, Senior in Electrical Engineering, Portland, Ore.

Historian, Alpha Mu, 4.  
Chi Alpha Pi Fraternity  
Secretary, 4.  
Band, 1,2,3,4.  
Orchestra, 3,4.  
A.I.E.E., 3,4.

Donald L. Bogie, Senior in Industrial Arts, Puyallup, Wash.

Sigma Phi Epsilon Fraternity.  
Band, 1,2,3,4.  
Business Manager 4.  
Industrial Arts Club  
Treasurer, 3.  
O.A.C. Advertising Council, 4.  
Military Ball Music Committee, Chairman 4.  
College Song Book Committee, 4.

Raymond Hixon, Junior in Agriculture, La Verne, California.

Alpha Pi Delta Fraternity.  
Manager, 4.  
Band, 1,2,3.  
Publicity Manager, 2,3.  
Annual Staff, Circulation Manager, 3.  
Junior Prom Committee, 3.  
Board of Directors, Co-operative Managers's Association, 3.  
Agriculture Club, 1,2,3.  
Treasurer, 3.  
Agricultural Fair Publicity Manager, 3.  
Harmon Foundation Student Loan Fund Committee.

Elmer J. M. Johnson, Senior in Mechanical Engineering, Marshfield Oregon.

Chi Alpha Pi Fraternity.  
Band 1,2,3,4.  
A.S.M.E., 1,2,3,4.  
A.A.E. 1,2,3,4.

Raymond V. Kettner, Junior in Mining Engineering; Linnton, Ore.

Del Rey Club.  
Band 2,3.  
Orchestra, 2,3.  
Miners Club, 1,2,3.  
Annual staff. 3.  
Student Engineer Staff. 3.  
S.A.M.E. 1,2,3.  
R. O.T.C. Association, 3.  
Student Engineering Association, 3.

Riley B. Ewing, Sophomore in Agriculture Mr. Vernon, Wash.

Tau Delta Fraternity.  
Band, 1,2.  
Campus Dance Orchestras.

Roy L. Patrick, Junior in Commerce, Detroit, Oregon.

Theta Chi Fraternity  
Band, 1,2,3.  
Orchestra, 1.  
Annual Staff, 3.

Delmer G. De Sart, Sophomore in Civil Engineering, Salem, Ore.

Phi Sigma Kappa Fraternity  
Secretary 2.  
Band, 1,2,  
Orchestra, 1,2.  
Campus Dance Orchestras.

Note: Owing to an error, the letter from Dean Newton of the School of Mines, recommending Mr. Kettner, was mailed directly to the Grand Council of Kappa Kappa Psi, and we were unable to obtain an exact copy of it. You can be assured, however, that Mr. Kettner was highly recommended. The letter sent by Dean Newton will confirm this statement.



April 3, 1923.

General Council,  
Kappa Kappa Psi Fraternity

Gentlemen:

This is to recommend Mr. R. H. Ewing for membership in the new chapter of Kappa Kappa Psi, which I understand it is proposed to establish at the Oregon Agricultural College.

Mr. Ewing is a sophomore in the School of Agriculture and is doing excellent work. I am confident that his scholarship record and his personal ity justify me in urging that he be accepted for membership

Signed      Very truly yours,  
A. B. Cordley  
Dean of Agriculture.

March 16, 1923.

General Council,  
Kappa Kappa Psi.

This is to recommend Mr. R. F. Hixon for membership in the new chapter of Kappa Kappa Psi, which I understand it is proposed to establish at the Oregon Agricultural College.

Mr. Hixon is one of the leading students among the more than 2,000 men registered at this institution. He is a junior in the School of Agriculture, with an excellent record as a student. He is also one of the distinctively "live-wires" of the student body, serving as house manager of his fraternity, advertising manager of the band, treasurer of the Agricultural Club, and is a member of the staff of the Oregon Countryman, the monthly agricultural journal, published by the students, and of the "Beaver", the college annual. With this record it is also to his credit that he is paying his own way through college. I can recommend him without reserve for membership in Kappa Kappa Psi.

Very truly yours,  
Signed A. B. Cordley  
Dean of Agricultural.

April 6, 1923.

Kappa Kappa Psi  
Natl. Hon. Musical Fraternity for  
University Bandsmen.

Gentlemen:

I understand that bandsmen of the Oregon State Agricultural College are petitioning for a local chapter of Kappa Kappa Psi. I am fully in accord with this movement and trust that their petition may receive careful consideration at your hands. The list of engineering students among those petitioning are:

Bogie, Donald L; Senior in Industrial Arts.  
DeSart, Delmer G; Sophomore in Civil Engr.  
Dobbs, Harry C; Senior in Electrical Engr.  
Johnson, Elmer J. M; Senior in Mechanical Engr.  
Garman, John C; P.G. in Electrical Engr.

These men are all good students, some of them exceptionally good in scholarship.

In general, I believe that our band is an organization of rank equivalent to that of college and university standards. These men and other members of the band have certainly done creditable work in maintaining the organization of the band without detriment to scholarship.

I trust that your council may see fit to grant them the charter for which they are asking.

Very truly yours,  
Signed G. A. Covell  
Dean, school of Engineering



April 4, 1923.

President, Kappa Kappa Psi,  
National Honor Band Fraternity,

Dear Sir:

This will certify that Floyd B. Willert, a senior in the School of Forestry, is well and favorably known to me. He is a clean, four-square man who will, I believe, prove to be a credit to your organization.

Signed                      Yours very truly,  
Geo. W. Peavy  
Dean, School of Forestry.

April 6, 1923.

To Whom This May Concern;

I am advised that our local honorary band fraternity, Alpha Mu, is petitioning for a chapter from Kappa Kappa Psi. I consider the Oregon Agricultural College Military Band to be the most efficient student organization on our campus. The personnel of the band is made up of high class students, and this together with the fact that their leader, Captain Harry L. Beard is a man of high ideals, prompts me to commend the organization to you.

Since my connection with this institution, I have been personally acquainted with many of the members of the band, and I have always been impressed with the fact that not only did the students learn a great deal about music but really enjoyed the work.

Respectfully submitted,

Signed

A Ziefle

Dean, School of Pharmacy.

Note: Mr. William Hicking of Alpha Mu is a student in the School of Pharmacy, under Dean Ziefle.

April 9, 1923

To Kappa Kappa Psi Fraternity;

This is to certify that Mr. Roy L. Patrick is a Junior in the School of Commerce at the Oregon Agricultural College. His scholarship average is approximately eighty-three per cent, and there are no demerits against him.

Mr. Patrick is a clean young man, of the best character and enjoys the good will of the entire College community in which he has been working during the past few years. I heartily recommend that he become a member of your organization.

Very truly yours,

(signed)

J.A.Bexell

Dean.



April 5, 1923

To the Grand Council of Kappa Kappa Psi:

I am indeed pleased to know that the members of Alpha Mu local Band fraternity are to petition your fraternity. I think that it is a step that will have a very marked and beneficial effect upon our band here.

A word of explanation might not be amiss concerning the men in this local organization. I have been in contact with all of them for the last two years at least, some of them more. During this time I have had an opportunity to observe their various characteristics and abilities, and to about as good advantage as any other individual on the campus. All of them have been in the band for at least two years and have through the entire period been very faithful and conscientious.

As to the character of these men, I am glad that it is possible for me to recommend them in the very highest of terms. They are a clean set of fellows and will be a credit to any organization.

The membership of the local fraternity includes some of the best musical talent in the band. All of them are rated as first class musicians, and this rating is given only after passing a test given by the director. Each man is well up if not first in his section.

Having been in band work for many years, and with the O.A.C. Band for almost twenty years, I am not exercising hasty judgement in recommending these men.

I Kappa Kappa Psi should see fit to grant a chapter to this local organization, you may feel assured that it will be one of the most enthusiastic and creditable wings of the fraternity, and one capable of and willing to hold a high place among the many other honor societies on the campus of the Oregon Agricultural College.

Signed

Very sincerely yours,

Harry L. Beard

Director of the O.A.C. Band.



O. A. C. BAND, 1923





O. A. C. BAND, 1922  
Annual Concert Tour.





*Howells  
Photo*

Capt. H.L.Beard  
Director O. A. C. Band



Alpha Mu.- Standing; Bogie, Hicking, Willert, Patrick, Kettner, Garman  
Seated; Dobbs, Hixon, Capt. Beard, Johnson  
Members not in picture; De Sart, Ewing



The attached are the original copies of the letters  
of recommendation given the fraternity by members of the  
College faculty.





OREGON AGRICULTURAL COLLEGE  
SCHOOL OF AGRICULTURE AND EXPERIMENT STATION  
CORVALLIS

April 3, 1923.

General Council,  
Kappa Kappa Psi Fraternity.

Gentlemen:

This is to recommend Mr. R. H. Ewing for membership in the new chapter of Kappa Kappa Psi, which I understand it is proposed to establish at the Oregon Agricultural College.

Mr. Ewing is a sophomore in the School of Agriculture and is doing excellent work. I am confident that his scholarship record and his personality justify me in urging that he be accepted for membership.

Very truly yours,

*A. B. Condey*  
Dean of Agriculture.

ABC HNW

C



OREGON AGRICULTURAL COLLEGE  
SCHOOL OF AGRICULTURE AND EXPERIMENT STATION  
CORVALLIS

March 16, 1923.

General Council,  
Kappa Kappa Psi.

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Very truly yours,

*A. B. Cordley*  
Dean of Agriculture.

ABC HMW  
C





OREGON STATE AGRICULTURAL COLLEGE

W. J. KERR, PRESIDENT

SCHOOL OF ENGINEERING AND MECHANIC ARTS

G. A. COVELL, DEAN

OFFICE OF THE DEAN

CORVALLIS, OREGON

April 6, 1923

Kappa Kappa Psi  
Natl. Hon. Musical Fraternity for  
University Bandsmen.

Gentlemen:

I understand that bandsmen of the Oregon State Agricultural College are petitioning for a local chapter of Kappa Kappa Psi. I am fully in accord with this movement and trust that their petition may receive careful consideration at your hands. The list of engineering students among those petitioning are:


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In general, I believe that our band is an organization of rank equivalent to that of college and university standards. These men and other members of the band have certainly done creditable work in maintaining the organization of the band without detriment to scholarship.

I trust that your council may see fit to grant them the charter for which they are asking.

Very truly yours,

  
Dean, School of Engineering





OREGON STATE AGRICULTURAL COLLEGE

W. J. KERR, D.Sc., LL.D., PRESIDENT

CORVALLIS, OREGON

SCHOOL OF FORESTRY

GEO. W. PEAVY, M.S.F., DEAN  
HARRY R. PATTERSON, JR., B.S., ASSOCIATE PROFESSOR  
THURMAN J. STARKER, M.S.F., ASSISTANT PROFESSOR  
HARRY NETTLETON, B.S., ASSISTANT

Corvallis, Oregon,

April 4, 1923.

President, Kappa Kappa Psi, National Honor Band Fraternity,

Dear Sir:

This will certify that Floyd B. Willert , a Senior in the School of Forestry, is well and favorably known to me. He is a clean, four-square man who will, I believe, prove to be a credit to your organization.

Yours very Truly,

*G. W. Peavy*  
Dean, School of Forestry.



OREGON AGRICULTURAL COLLEGE

W. J. KERR, PRESIDENT

CORVALLIS

SCHOOL OF PHARMACY  
ADOLPH ZIEFLE, DEAN

April 6, 1923

To Whom This May Concern:

I am advised that our local honorary band fraternity, Alpha Mu, is petitioning for a chapter from Kappa Kappa Psi. I consider the Oregon Agricultural College Military Band to be the most efficient student organization on our campus. The personnel of the band is made up of high class students, and this together with the fact that their leader, Captain Harry L. Beard is a man of high ideals, prompts me to commend the organization to you.

Since my connection with this institution, I have been personally acquainted with many of the members of the band, and I have always been impressed with the fact that not only did the students learn a great deal about music but really enjoyed the work.

Respectfully submitted,

A. Ziefle.  
Dean, School of Pharmacy.

Note; Mr William Hicking of Alpha Mu is a student in the School of Pharmacy, under Dean Ziefle.





Corvallis, Oregon,  
April 5, 1923.

To The Grand Council of Kappa Kappa Psi:

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The membership of the local fraternity includes some of the best musical talent in the band. All of them are rated as first class musicians, and this rating is given only after passing a test given by the director. Each man is well up if not first in his section.

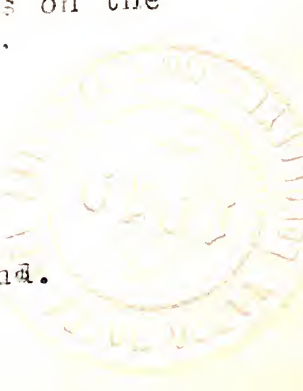
Having been in band work for many years, and with the O.A.C. Band for almost twenty years, I am not exercising hasty judgement in recommending these men.

If Kappa Kappa Psi should see fit to grant a chapter to this local organization, you may feel assured that it will be one of the most enthusiastic and creditable wings of the fraternity, and one capable of and willing to hold a high place among the many other honor societies on the campus of the Oregon Agricultural College.

Very sincerely yours,

*A. L. Beard*

Director of the O.A.C. Band.





OREGON AGRICULTURAL COLLEGE  
SCHOOL OF COMMERCE  
CORVALLIS

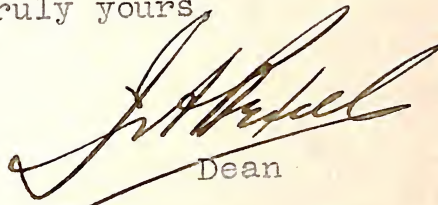
April 9, 1923

To Kappa Kappa Psi Fraternity:

This is to certify that Mr. Roy L. Patrick is a Junior in the School of Commerce at the Oregon Agricultural College. His scholarship average is approximately eighty-three per cent, and there are no demerits against him.

Mr. Patrick is a clean young man, of the best character and enjoys the goodwill of the entire College community in which he has been working during the past few years. I heartily recommend that he become a member of your organization.

Very truly yours

  
Dean

J. A. Bexell:M





# Oregon Agricultural College Cadet Band

CAPT. HARRY L. BEARD, DIRECTOR  
CORVALLIS, OREGON



The Cadet Band of the Oregon Agricultural College is an organization of many years standing, and at the present time the roster shows a membership of over thirty, all of whom are skilled musicians.

Vigorous military training and daily rehearsals for years have produced a military band equal to any in the West.

The band's director, Capt. H. L. Beard, has been in charge of the band for nearly ten years. Prior to that time he was connected with some of the best military bands of the United States army.



## WHAT OREGON THINKS OF THE

### O. A. C. Cadet Band

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*Cottage Grove Sentinel:*

The individual and collective work of the college band showed training by a master.

*Portland Journal:*

Beautiful shading, prompt musical attack, and fine ensemble work mark the playing of the cadet band.

*The Ashland Tidings:*

The band is one of the best on the coast and probably has not a superior as a college band anywhere in the United States.

*The La Grande Observer:*

Under the leadership of a skilled musician the college cadets have attained a degree of efficiency hard to emulate. The regimental band has reached high niches of proficiency in the musical world.

*A Roseburg Paper:*

The splendidly trained military band from Corvallis was always the center of attraction and deserves its fame as one of the best drilled corps of musicians in the entire state. The committee could have made no better choice.

*A Medford Paper:*

The band played a program of varied range, the best being the overture, "Semiramide," by Rossini. Into it the musicians put the fire of the great musician, and brought the audience to spontaneous applause at the rousing conclusion.

*The Roseburg Review:*

The renditions were marked with a swing and dash, pleasing harmony, unusual volume, and interpretation that was inspiring. The attacks were excellent, crescendos thundrous, and the softer effects as dainty and delicate as gentle zephyrs.

*The Daily Gazette (Corvallis):*

Captain Beard's baton was never wielded to better effect, the response being instantaneous and beyond the criticism of a Corvallis audience. As a result the band rendered two complete programs, one of these being encore numbers, for a second was insisted upon in each instance, even at a late hour. The boys played the class of music presented by the great bands and orchestras.

---

Such pieces as the following are to be found in the repertoire of this band: Overtures, "William Tell," "Barber of Seville," "Orpheus," "Poet and Peasant," "Tannhauser," "Morning, Noon and Night in Vienna," and many others of the same standard.





*CONCERT*

*O.A.C. Military Band*

*H. L. BEARD, Director*

*Assisted by*

*Miss Mabel F. Woodbury*

*Violinist*

*Opera House, Corvallis, Oregon*

*Friday April 21, 1911*

## P R O G R A M

1. March: "On Parole".....Potts
2. Overture: "Morning Noon and Night in Vienna".....Suppe
3. Clarinet Solo: "2nd Air Varie".....Mohr  
*B. R. Brossus*
4. "The Serenade" (Selection from the Comic Opera)...Herbert  
~~B. R. Brossus~~
5. "On the Bosphorus" (a Turkish Bath).....Lincke

### INTERMISSION

6. Overture: "Raymond".....Thomas
7. "Titl's Serenade".....Duet for French Horn and Clarinet  
F. W. McGinnis and B. R. Brossus

---

Next Attraction—"The Old Homestead"—Tuesday, May 3

8. Descriptive Selection: "Custer's Last Charge"...Lee Johnson

Synopsis—(1) Sioux Indian war dance—night before the battle; (2) Bugle call in Custer's camp before forming the line of march; (3) Custer's Cavalry on march to Sioux's camp, the sound of horses' hoofs in the distance; (4) Approach of Cavalry with Band playing "National Airs," the Indians responding with their customary music; (5) Battle of "Little Big Horn," June 25, 1876, in which our great general lost his life; (6) Indians rejoicing over the victory with scalp dance; (7) Arrival of reinforcement Gen. Bentine and Cavalry; (8) Custer's Burial, volley of shots, muffled drums and bugle sounding the last call, over our great general's grave. Finale—"Nearer My God to Thee."

9. Violin Solo: "Ziguenerweisen".....Pablo Sarasate

(1) Description of Hungarian Gypsy life;  
(2) A Gypsy love melody; (3) Gypsy character dance around the evening campfire.

Miss Mabel F. Woodbury

*Band acc.*

10. March: "Chicago Tribune".....Chambers  
"Star Spangled Banner."



*THESE PROGRAMS*

*ARE FURNISHED BY*

*McGinnis & Son*

*THE GROCERS*

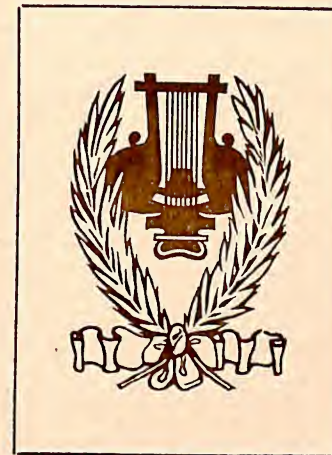
*LET THEM FURNISH YOU  
WITH*

*GOOD THINGS TO EAT*

Gazette-Times Printery

*Tenth Annual Concert*  
*O. A. C. Cadet Band*

*H. L. BEARD*  
DIRECTOR



*Majestic Theater*  
*Friday, March 19th*  
*1915*



## Program

1. March, "The O. A. C. Cadet "-----Smith
2. Grand Selection from "Somnambula "-----Bellini
3. Clarinet Solo, "Scene and Air" from "Luisa di  
Montfort "-----Bergson  
BY R. D. KENNEDY
4. Selection from the Comic Opera "The Firefly"-----Friml
5. Quintet for Saxaphones, " Intermezzo Sinfonica "  
from " Cavalliera Rusticana "-----Mascagni  
BY J. O. BECK, W. H. H. KEEN, KARL GLOS,  
EVERETT TAYLOR, F. A. HOLMES

### INTERMISSION

Fifteen minutes with the cartoon man showing people and things we have seen on our trips. Also sketches of persons of local and national fame, by U-No-Me and his goat.

6. Two Numbers from Peer Gynt Suite -----Greig  
(a) The Morning  
(b) In The Hall of The Mountain King
7. Soprano Solo  
(a) "Cuckoo, Shall I Grow Old ?" -----Abt  
(b) "The Flag Without a Stain "-----White  
MRS. HALLIE PARRISH HINGES
8. Hawaiian Patrol " Kilauea "-----Stewart
9. Grand Fantasia on Old Kentucky Home-----Dalby  
Variations for all Instruments
10. March, " Battleship Connecticut "-----Fulton  
Star Spangled Banner

## O. A. C. Cadet Band

### Cornets---

J. B. Yoder  
J. W. Nash  
O. H. Schrepel  
G. S. Vincent

### Clarinets---

R. D. Kennedy  
J. L. McGinnis  
W. E. Dolde  
H. von Lehe  
Ralph Kenton  
S. W. Tully  
L. Stark

### Trombones---

William Luxton  
Ralph C. Day  
J. E. Gilmore  
A. L. Funk  
H. C. Richter

### Baritone---

R. E. Harp

### Saxaphones---

J. O. Beck  
W. H. H. Keen  
Karl F. Glos  
A. E. Taylor  
F. A. Holmes

### French Horns---

George Hardman  
Robert Akers  
J. A. Sather  
G. A. Hagey

### Bass---

Oscar W. James  
A. C. Archbold

### Drums---

D. S. Felton  
R. W. Southwick





# The O. A. C. Cadet Band

H. L. BEARD, Conductor

Auspices of Senior Class, Salem High School

*Salem Armory*

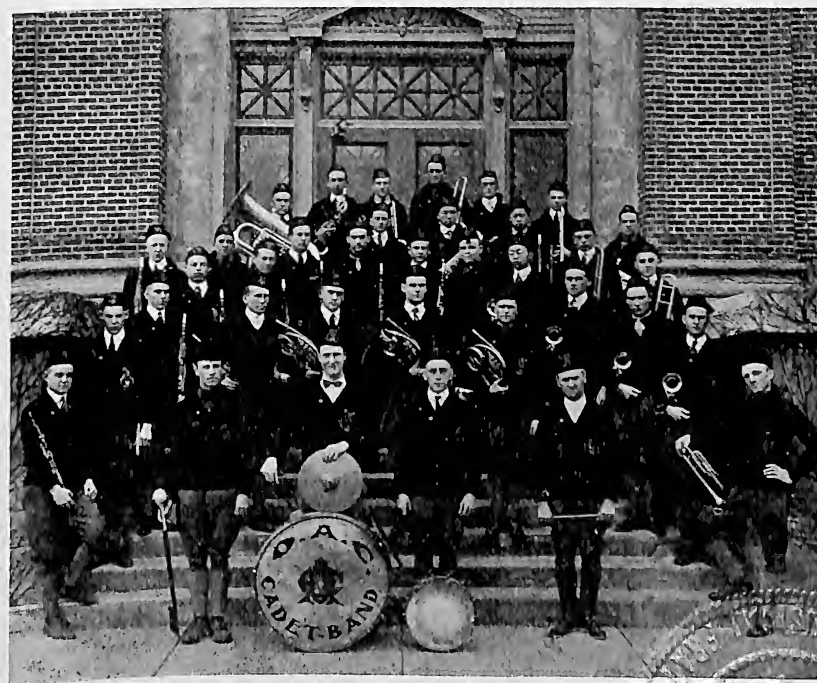
*Friday Evening, April 19, 1918*

## ABOUT THE BAND

The band has been brought to feel the weight of the war, probably more than any other department at O. A. C.

Of the original membership of last year, twenty-two members are now in active service for "Uncle Sam" and many of the present members belong to the Reserve Officers' Training Corps.

The Band is also proud to be the possessor of over \$500 worth of "Uncle Sam's" Liberty Bonds; the money being earned exclusively by the Band in playing for informal College dances and other School functions.



MANAGER.....A. EARLE DOUGLAS

## SOLOISTS

Miss Lena Tartar, Contralto  
Mr. Frank Ding, Baritone, '19  
Allan B. Parker, Baritone (Instrumental) '20



## Program



- I. March Militaire ..... L. Olean Smith
- II. Grand Selections from Opera "Attila" ..... Verdi
- III. Baritone Solo, "The Sunshine of Your Smile" ..... Lillian Ray  
FRANK DING
- IV. Descriptive, "Forest Echoes" ..... Keisler
- V. Gems from Favorite Operas ..... Dalby
  - (a) "Der Frieschuz"
  - (b) "Martha"
  - (c) "Lucia"
- VI. Contralto Solo, "Keep the Home Fires Burning" ..... Novella  
MISS LENA TARTAR
- VII. Characteristic, "A Day in the Cottonfield" ..... Zublin
- VIII. Baritone Solo, "Flowers from Fairyland" ..... Barnhouse  
ALLAN B. PARKER
- IX. Grand American Fantasia, "Tone Pictures from the North  
and South" ..... Bendix
- X. March, "Sons of Uncle Sam" ..... McCoy  
Star Spangled Banner .....

## Roster

### CORNETS

Pardee  
Strong  
Spriggs

Riches  
Munsen  
Ding

### TROMBONES

Ruper  
Cordelle

Douglas  
Bollen

### BARITONE

Parker

Smiley

### CLARINETS

Ross  
Sabin  
Munay

Kruger  
Ding

### SAXOPHONE

Jernstedt  
Reber

Ding

### PICCOLO

Waterman

### FRENCH HORN

Waterman

Thompson

### ALTO

Raab

Stone

### BASSES

Hatfield

North

### DRUMS

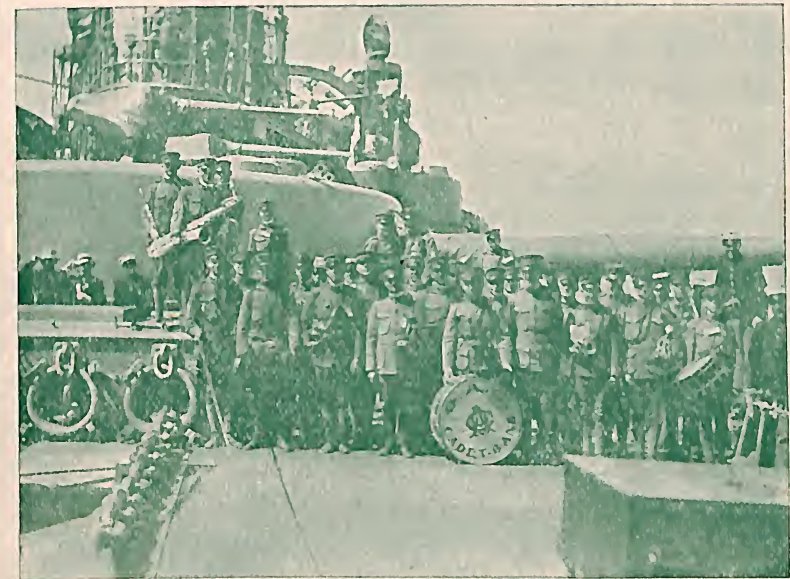
Carpenter  
Thompson

Stewart

The O. A. C. Cadet Band  
IN ITS  
Eleventh Annual Concert

H. L. BEARD, CONDUCTOR

Friday Evening, January 21st - 1915



CADET BAND ON BATTLESHIP OREGON, S. F. BAY, JUNE 18, '15

SOLOISTS

Miss Genevieve Gilbert, *Dramatic Soprano*

Karl Glos, *Tenor Saxophone*

W. H. H. Keen, *Baritone Saxophone and Alto Saxophone*

GENERAL MANAGER : : : : F. A. Holmes

ASS'T MANAGER : : : : W. H. H. Keen

ADVERTISING MANAGER : : : : Douglas Ritchie



## PROGRAM

- I. President Wilson's March ..... *De Latlora*  
Respectfully dedicated to President Woodrow Wilson.
- II. Overture to "Bohemian Girl" ..... *Balfe*
- III. Duet for Saxophones "Souvenir di Valence" ... *Bleger*  
Karl Glos and W. H. H. Keen
- IV. Selection "High Jinks" ..... *Friml*
- V. Grand Selection "Songs of Ireland" ..... *Douglass*

INTERMISSION OF TEN MINUTES

- VI. Suite "Atlantis" ..... *Sofranek*
  1. Nocturne and Morning Hymn of Praise.
  2. A Court Function.
  3. "I Lose Thee, Atlantis."
  4. Destruction of Atlantis.

NOTE. Atlantis is a Continent mentioned in Plato's History and extended across the Atlantic Ocean approximately from Europe to Yucatan. It is the subject of an exhaustive volume by Ignatius Donnelly and has also served as inspiration for several novelists. This continent it is believed was the home of a great race which conquered and civilized the world. The Azore Islands are considered to be the tops of its lofty mountains, and are all that now remains above water of the great country.

- VII. Soprano Solo "Elizabeth's Entrance" .....  
from Tannhauser ..... *Wagner*  
Miss Genevieve Gilbert of Portland

Note. "Tannhauser" or "The Singers' Contest at Wartburg" is a grand romantic opera in three acts. "Elizabeth's Entrance" and greeting to the Hall of Song begins the second act

- VIII. Medley Overture "Bits of Remick's Hits" No. 15 ..  
..... *Lampe*

- IX. Humorous Fantasy "Three Blind Mice" .... *Douglass*
- X. March "The Hippodrome" ..... *Sousa*  
Dedicated to the New York Hippodrome, where  
Sousa's Band is now playing.

Star Spangled Banner .....  
Will the audience please remain standing while the  
National Anthem is being played.

## ROSTER

### CORNETS

J. W. Nash	W. E. White
Oliver Schrepel	G. L. Osborne
G. S. Vincent	

### CLARINETS

Herbert von Lehe	Leslie Stark
R. M. Kenton	E. E. Barklow
S. W. Tulley	J. C. Larsen
O. H. Johnson	

### BARITONE

W. L. Luxton

### FRENCH HORNS

Rob't Akers	P. W. Martin
D. W. Ritchie	H. S. Norton

### ALTO

C. W. Myers	H. A. Stone
P. S. King	

### SAXOPHONE

F. A. Holmes	W. H. H. Keen
K. F. Glos	L. H. Blakely
J. B. Eakin	

### TROMBONE

Otto L. Fox	O. M. Grasomen
J. V. Hoskins	J. S. Marshall
A. E. Douglass	H. C. Richter

### PICCOLO

E. E. Werlein

### DRUMS

D. S. Felton	L. O. Brown
C. C. Jacoby	

### BASS

A. R. Sims	D. S. Morris
W. S. Hoskins	



## Our Great Red Tag Sale Will Close Monday Jan. 29, 6 p. m.

If you have not taken advantage of the Sale, you had better get a move on if you want to save money.

Advance shipments of Ladies New Spring Coats are now shown in our Cloak and Suit Department, 2nd Floor.

*J. M. Nolan & Son*  
QUALITY STORE

CORVALLIS. - - OREGON.

"A Little out of the Way, but it pays to walk"

## *Fifth Annual Concert*



*O. A. C. Cadet Band*

*H. L. Beard, Director*

*At Corvallis Opera House*



*Friday, January 26, 1912*



## *Programme*

1. March, "On Wisconsin".....*W. T. Purdy*  
Official March Song of the University of Wisconsin.
2. Overture to "William Tell".....*Rossini*  
1. The Dawn. 2. The Storm. 3. The Shepherd's Song. 4. The Chase.
3. Patrol, "The Night Riders".....*Will Huff*  
First the beating of horses' hoofs is faintly heard as the Night Riders are approaching from the distance. As they come nearer the music grows louder, till they pass with a thunderous noise, which gradually grows fainter as the horsemen ride on, till finally again only the beating of the horses' hoofs is heard.
4. Cornet Duet, "Two Little Bulfinches".....*H. Kling*  
By E. M. McMANUS AND H. L. BEARD.
5. Selection from "The Chocolate Soldier".....*Strauss*

*INTERMISSION*

## *Programme*

6. Reading, "The Soul of the Violin".....  
MISS VENA RICKARD
7. Overture, "Orpheus".....*Offenbach*
8. Humoresque, "What's the Matter With Father".....*Lampe*  
SYNOPSIS: Brother takes Father out for a "time" with a bunch of college boys. Father proves to be a good sport. It is voted all around that "He's All Right." The merriment is interrupted by the clock striking two. Father bids all good night in as nice a manner as his condition will allow, singing "Good Night Ladies—hie! We're Going to Leave You—hie!" Arriving home, Father sneaks upstairs to bed, collides with the parrot's cage, falls all the way down stairs with it, just as the cuckoo clock gives out the hour of three. The noise awakens Mother and Sister, who, rushing to the top of the stairs, hysterically cry, "What's the Matter With Father."
9. Descriptive Overture, "The Fall of Jericho".....*Maillochand*  
SYNOPSIS: 1—Allo vivo. The Trumpeters summoning the Jewish army. 2—The army assembles. 3—Trumpet call. 4—Exhortations of the priests, choral and recitative. 5—Prayer. 6—The attack; falling of the walls. 7—Triumphal march. 8—Finale.
10. March, "The Electorate".....*Rosenkrans*

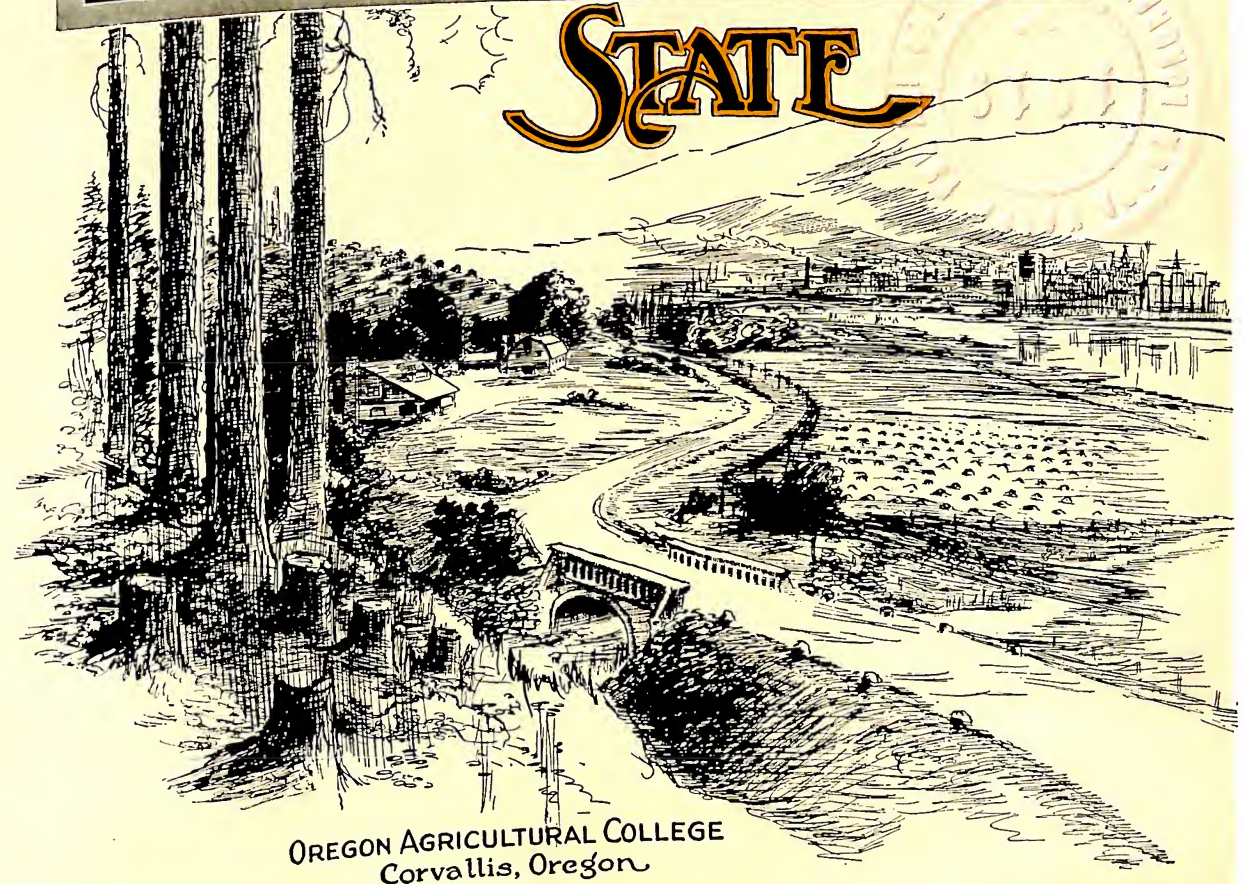
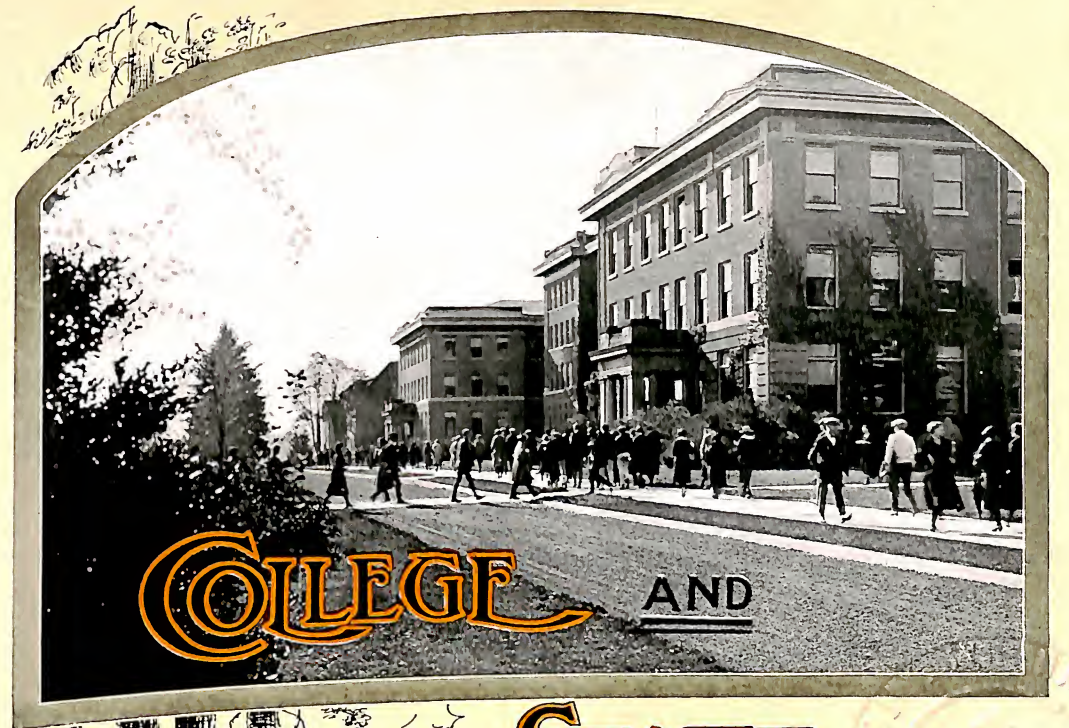


GAZETTE-TIMES PRINTERY



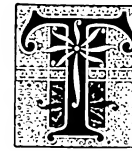
BULLETIN  
ISSUED MONTHLY  
No. 378 JANUARY, 1923

ENTERED AS SECOND-CLASS MATTER  
OCTOBER 31, 1921, AT THE POSTOFFICE  
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1103, ACT OF OCTOBER 3, 1917. AUTH-  
ORIZED JUNE 26, 1922.





## College and State



THE COLLEGE AND THE STATE—they are an organic unit; they belong together, and they go up or go down together. The College was established to promote the industries and professions of life in Oregon. Slowly, through years of research and painstaking endeavor, it has built up an organization designed to serve the entire state—its agriculture, its commerce, its engineering resources, its education, its sciences, its forests, mines, and homes. It was initiated and endowed by the United States Government, and still receives support from the Government and performs certain functions in obedience to its directions; but it is chiefly a state institution, receiving its support largely from the people of the state and devoting its energies and resources to the education of young men and women and the safeguarding and development of the industries and institutions of Oregon.

A brief sketch of how the College arose and how each of its three main divisions of work—Resident Instruction, Experiment Station, and Extension Service—came to be established and maintained as distinct organizations within the College, will help to show how the institution functions throughout the state.

The Resident Instruction work, which includes all types of teaching done on the campus at Corvallis, had its origin in the Land-Grant Act of the United States Congress passed in 1862 and signed by Abraham Lincoln. By this Act, the terms and conditions of which were accepted for Oregon by the State Legislature, the United States Government gave to the College, as an endowment, 90,000 acres of government land "to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." Subsequently, in 1880, by the Morrill Act, and in 1907, by the Nelson Amendment to the same Act, the Federal Congress made other grants to the College, in this case through annual appropriation of funds, for the support of teaching on the campus. By accepting these appropriations and the conditions under which they were granted, the State Legislature assumed the responsibility of carrying out the provisions of these various acts of Congress, which were designed to demonstrate the value of vocational education.

The Experiment Station work, which includes the investigation and research of problems that are vital to agriculture and the home, was also established by initiative of the United States Government and the granting of federal funds, first by the Adams Act of 1887 and later by the Hatch Act of 1906. This phase of College effort involves the use of different types of lands and different products, and has consequently led to the establishment of branch stations in different parts of the state. It involves also experimental studies often covering many years, and sometimes whole generations. The administration of this work is quite different from that of teaching on



the campus, and from the beginning has been separately financed and directed. Most of the appropriations for this work made by the United States Congress were conditional upon the fulfillment of certain obligations by the State Legislature.

The Extension Service, initiated by the Oregon Legislature in 1913, but partly financed by Federal funds derived from the Smith-Lever Act and from the United States Department of Agriculture, carries the benefits and instruction of the College in the fields of Agriculture and Home Economics to all parts of the state. This work is also distinct from the work of resident teaching, as well as from the work of experimentation, and since the beginning has been separately financed and directed.

All three divisions of work articulate closely so far as service to the state is concerned. Students in the classrooms on the campus get the immediate benefit of the investigations and researches of the Experiment Station, as they do also the reports of the Extension workers showing results of the application of these discoveries throughout the state. The Station worker profits by the first-hand observations of the Extension specialist as he goes about the state, and the Extension specialist keeps informed of the progress of new developments in the research laboratories and the experimental field plots. All three divisions of work, in fact, are mutually co-operative. They pull together in constructive team work for the ultimate good of the industries and institutions of the state.

The phase of College work best known to all the people is that of Resident Instruction. Over 5,500 students, 3,900 of whom were pursuing full year college courses, were on the campus last year. Of these, 422 received collegiate degrees at commencement time, carrying the standards of the College into their respective communities and vocations. The Experiment Station work, less known but fundamentally important to the state, is devoted to securing facts that will answer the questions and solve the problems that are confronting agriculture at the present time or are expected to confront it in the near future. It stands in its relation to the work of resident teaching and of extension service as the fact-gathering agency, keeping up a bank account of facts to be checked out by Resident Instruction and Extension Service for the benefit of students, farmers, and citizens generally. The Extension Service carries these facts, and other authoritative scientific information, directly to the people at their homes, shops, offices, and farms.

All three divisions of College work are based on science. It is science, primarily, that animates the student in all departments of his work. It is science, painstakingly followed and obeyed, that enables the station expert to arrive at new and improved methods of doing things—that speed up the wheels of industry or point to short cuts saving time and human energy. It is the scientific method, sometimes simplified for general use, that the extension worker employs to make two blades of grass grow where only one grew before, or spell the difference between profit and loss in the feeding of livestock.

Science in industry is the most striking fact of our generation. It has revolutionized agriculture, and given amazing impetus to transportation and manufacturing. The youth who is well grounded in the sciences applied in industry today has the key to personal advancement and public service. He not only has the training that is necessary to keep his business abreast of the times, but he has the technical insight and initiative to push it forward into new and constructive fields of endeavor. He has the technical tools, in short, that are indispensable to creative progress in modern industry. The student who pursues a four-year degree course at the College, if he has been faithful in his work, has gained control of these technical tools. They are a powerful asset to him in his life career.

But second only to this scientific knowledge and skill, in acquiring which he has inevitably been strengthening his character and enlarging his vision, is the friendships he makes and the personal leadership he develops through contact with thousands of the best youths of the Pacific Northwest. If he is going into any of the varied industries represented by the curriculum of the College—and these comprise the leading industries of the state—he will find these friendships of incalculable value to him. For besides their material value—modern business is based on mutual confidence—they have spiritual and moral values that can be measured only by the depth of a man's soul and the height of his aspirations.

In the following pages an effort has been made to show by typical pictures and brief comment how some of the major divisions of the College are constructively linked with the state at large. The examples are only suggestive. Hundreds of relationships as vital and far reaching as any indicated here could be added to the book without exhausting the contacts between the College and the state. Many departments of work are necessarily omitted altogether. The examples given, however, will indicate to the youths of the state something of the possibilities that the College can open up to them in preparation for their life work. If they contemplate a career in the broad fields of agriculture, engineering, commerce, forestry, mining, pharmacy, vocational education, military science, applied science, home economics, dietetics, or institutional management, they will find in these pages some suggestion of what the training is like and its importance to the state of Oregon. There is no broader or better field of college training in the Northwest.

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COLLEGE YEAR 1922-23

Second Term opens January 2, 1923.

Third Term opens March 26, 1923.

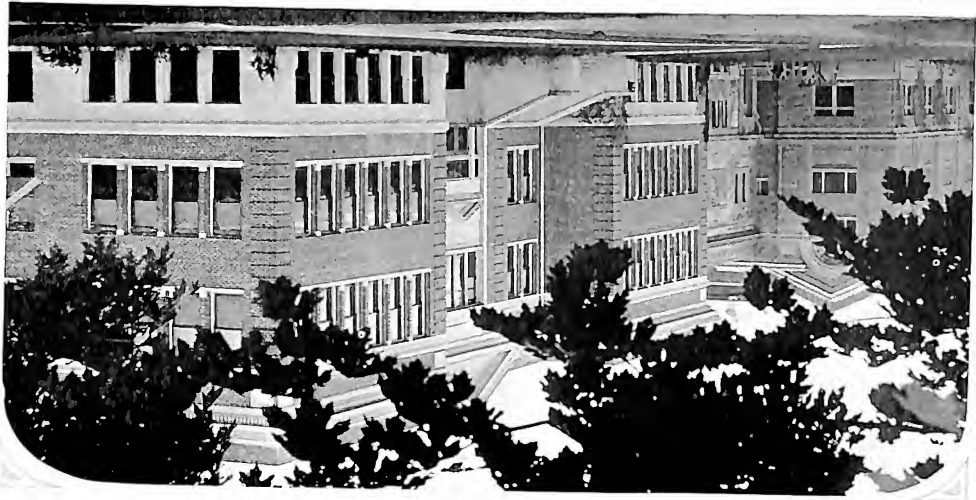
Commencement, June 4, 1923.

Summer Session, June 18-July 28, 1923.

Fall Term opens September 17, 1923.

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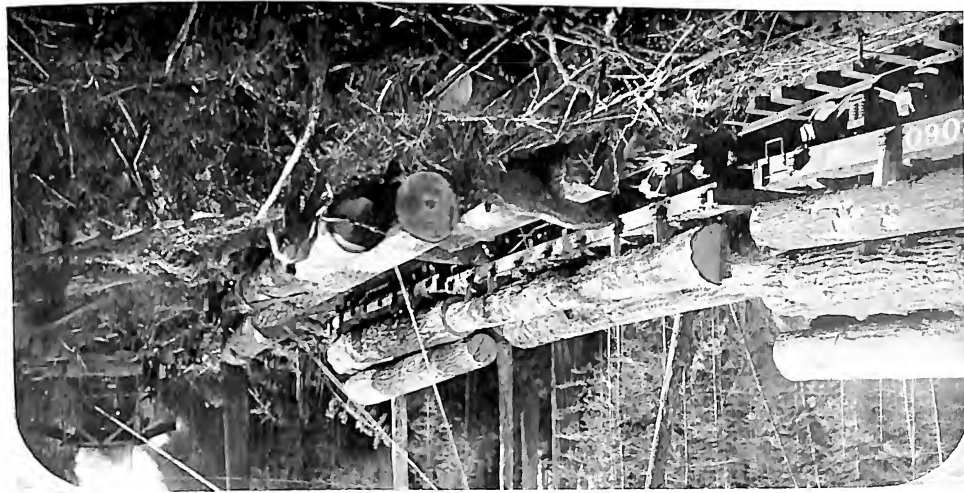
For Catalogue and information write to The Registrar, Oregon Agricultural College, Corvallis, Oregon.



## COLLEGE

The lumber business produces more wealth and employs more men than any other single industry in Oregon. That this great industry may continue to be a constructive factor in the progress of the commonwealth, is one of the chief concerns of the School of Forestry. The natural timber supply of the country is being consumed four times as fast as it is being produced. To save the forest wealth of Oregon from the ravages of such a fate, by taking off the timber only as it is ripe for harvest, and by reforesting the vast areas of Oregon land suitable only for the growing of timber, is a task worthy of the best thought and service of our citizens. Hundreds of young men, impressed by the magnitude and importance of the forest resources of the state, and eager to help establish a constructive forest policy for Oregon, have in recent years taken the training of the School of Forestry.

THE FORESTRY BUILDING.  
STUDENTS CRUISING TIMBER.



LOADING LOGS WITH A DONKEY ENGINE.  
ON THE ROAD TO ODELL LAKE.

The original 850,000 acres of timbered land in the United States has now been reduced to 463,000 acres. More than half of this remaining area has been cullied or is non-productive. The Pacific Coast is the most densely forested area in the United States and contains some of the most valuable commercial trees in the world. Oregon has a larger supply of this timber than any other state. A wise forest policy can greatly prolong the life of this supply, and renew it by reforestation as it is consumed. Hence these primeval forests of stately cone-bearing trees; the mountain ranges plumed with a wealth of fir, spruce, hemlock, cedar, and yellow pine—are an increasing challenge to the young men of Oregon to conserve the State's forest resources, and fill the demand for materials used in the great building enterprises of the Northwest and of the World.





DAIRY SCENE IN MALHEUR COUNTY.  
INTERIOR OF A MODERN CREAMERY.

## STATE

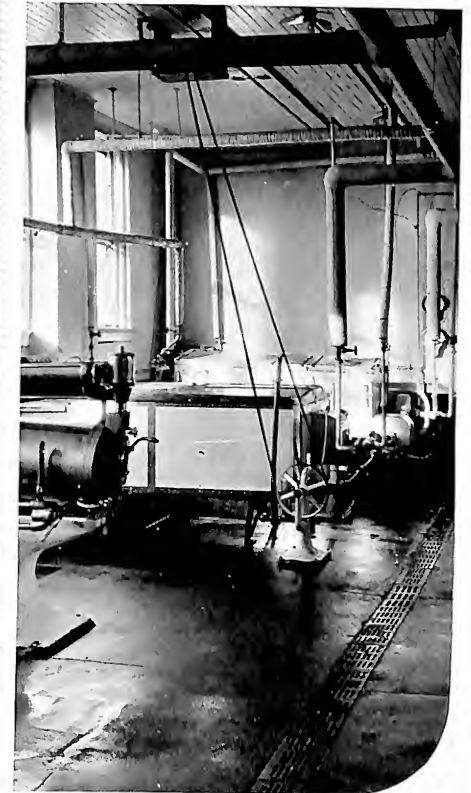
Less than 15 years have wrought a revolution in the dairy industry of Oregon under the leadership of College men. The tuberculin test, scarcely known ten years ago, has practically covered the state. Some counties have entirely rid their herds of all traces of infection. Pure-bred sires, a rarity fifteen years ago, prevail in every dairy section; and pure-bred herds of all the leading breeds are found in the dairy strongholds of the state. The Jersey breed has developed more world's record animals in Oregon than in any other state. The official cow-testing system conducted in Oregon by College dairy leaders is pronounced by the American Jersey Cattle Club to be the most efficient in America. Scientific feeding, with specific demonstrations for economy and efficiency, has been taught throughout the state. Problems of marketing, both in standardization of product and cooperative organization, have been systematically studied, and great progress has been made.



## COLLEGE

Within the ivy-covered walls of the Dairy Building a modern, thoroughly equipped creamery is operated with financial profit by students of the College under the direction of the faculty in Dairy Manufactures. Butter, cheese, ice-cream, and various other dairy products are manufactured here. The object of this type of practical training, based on scientific research, is to meet the needs of the great dairy industry of Oregon—already firmly established and expanding with remarkable rapidity, but continually faced by new problems and new opportunities for advancement. To serve this fundamental industry as specialists, not only in promoting more economical and advanced methods of manufacturing high-grade dairy products, but by carrying the gospel of dairy herd improvement over the state, the students in dairy husbandry at the College have a high duty to perform, and they are meeting it with fidelity and distinction.

THE DAIRY BUILDING.  
INTERIOR OF THE COLLEGE CREAMERY.







AGRICULTURE.

HARVESTING GRAIN IN EASTERN OREGON.  
STACKING HAY IN MALHEUR COUNTY.

## STATE

To do actual farm work and to teach the science and practice of farming—these are the chief tasks of the graduates in agriculture. Back to the farm most of them go—to till the soil, produce the food, and add to the productive wealth of the state. Incidentally, they serve to exemplify the methods approved by their instruction at the College. Many of them become leaders in their particular fields—farm crops, dairying, poultry husbandry, irrigation, etc. All of them take their places in the world with a fuller realization of the problems of our fundamental industry, eager to be of service in solving these problems, and capable of applying to them the wisdom that springs from scientific and technical training. They know, as the whole American public is now coming to know, that upon the farmer rests the whole structure of American democracy.



## COLLEGE

Ceaselessly studying the problems of safeguarding the state's farm resources, hundreds of young men prepare themselves in the laboratories of the School of Agriculture for productive occupations in the field of scientific farming. Some become county agents, leaders of boys' and girls' club work, superintendents of large farms, laboratory research men, inspectors for various state boards and departments, field workers or staff members of the United States Department of Agriculture, and demonstrators for foreign governments. Wherever they take their places among the breadwinners of the world—in the field or the laboratory—they begin to return to the state and the nation, in leadership and consecrated service, much more than the debt they owe for their education in the state college.

AGRICULTURAL HALL.  
CROP SUCCESSION ON COLLEGE  
EXPERIMENTAL FARM.



AGRICULTURE.

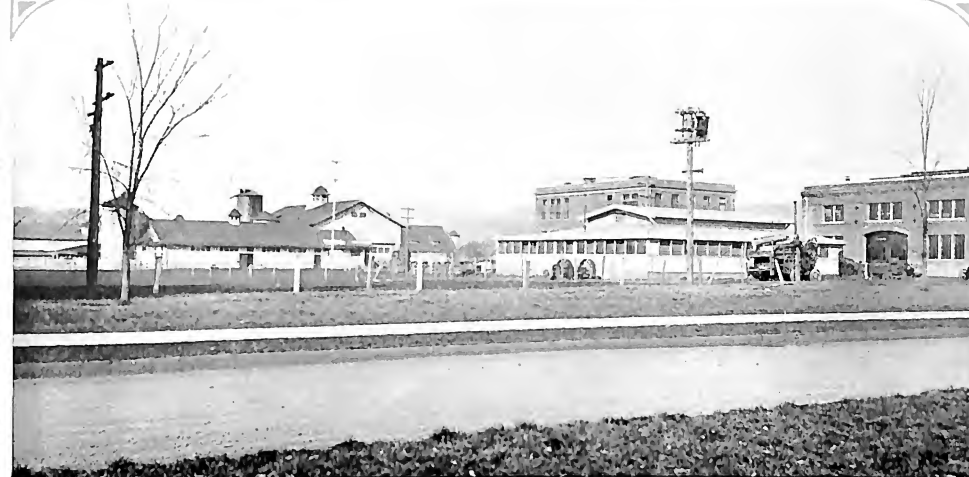


AGRICULTURE.

## STATE

*From fattening steers for market to the rearing of pure-bred sheep, the service of the College to the state has helped to give Oregon an enviable reputation as the home of well-bred and high-producing livestock. Fine horses and sheep in Western Oregon, with occasional Shorthorn and Angus herds, and all types of livestock in Eastern Oregon—cattle, sheep, and horses—reach a high standard of excellence. Rich and varied grazing resources, an equable climate, and an aggressive and dominant group of livestock men, offer abundant opportunity for the development of the livestock industry in Oregon. As a consequence of the practical phases of the work, it is only a step from the class-room to the ranch, where the teachings of life-time specialists are put into practice to the ultimate benefit of the entire commonwealth.*

RANGE CATTLE IN EASTERN OREGON.  
SHEEP GRAZING IN THE NATIONAL  
FOREST.



## COLLEGE

*In training leaders in animal industry the College is only at the beginning of its potential service to the state. It has already done much. Its graduates, fifty-seven per cent of whom have gone back onto the farm, have in many instances become dynamic factors for progress and improvement in their communities. Yet there is much still to be done. Faults in feeding need constant attention; evils of breeding must be mended; and old methods of pasturing, management, and marketing need thorough investigation to meet the rigorous economic demands of recent years. The business end of the livestock industry is of equal importance with the production end. This is a principle which the department of Animal Husbandry has always kept clearly before its students.*

THE COLLEGE BARN.  
PART OF COLLEGE HERD.



AGRICULTURE.

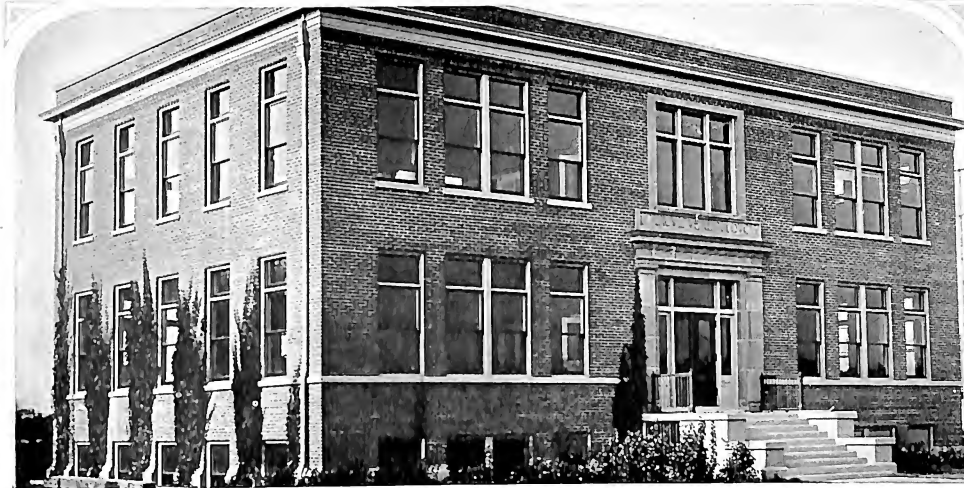


## STATE

*Horticulture—the products of which amount to many millions of dollars to the state—requires the services of successive experts to safeguard and guide its progress. The foundation of the fruit-juice industry of Oregon was laid in the College laboratories. Experiments are constantly being conducted with fruit varieties, many of which are indispensable to the progress of the industry. Those sections of the state that cooperate most closely with the College in carrying on their horticultural investigations and practices, are the ones that have enjoyed the greatest economical success and have achieved world-wide reputation for their products.*

APPLE ORCHARD, SHOWING MT. HOOD IN DISTANCE.  
CHILDREN PICKING LOGANBERRIES.

AGRICULTURE.



## COLLEGE

*Research and patient investigation of Oregon's fruit and berry industry are conducted in the College laboratories. In addition to the laboratories in Agricultural Hall, the College several years ago provided a special building for the investigation of horticultural products. The first institution in the world to instruct young men in utilization of by-products and to conduct research into problems of the canning industry, the College's horticultural products department holds a unique position at the very heart of the great fruit-producing region of the entire Pacific Coast.*

HORTICULTURAL PRODUCTS BUILDING.  
CANNING STRAWBERRIES BY MACHINERY.



AGRICULTURE.





OSGOOD MINE NEAR GRANTS PASS.  
CORNUCOPIA GOLD MINE NEAR BAKER.

The modern age is primarily a metal-using age. Oregon has unlimited metal-producing resources. As yet these resources are comparatively untouched. To the south is California, a state with a cherished metal-producing record. To the east is Idaho, famous for its wonderful lead and silver properties. To the north is Washington, surrounded by these better-developed natural resources, undoubtedly has geologic conditions very similar to the bordering states, and deserves a thorough investigation of nature's gifts. This is the business of the college-trained mining engineer. The state has provided training in this field at the School of Mines at Corvallis.

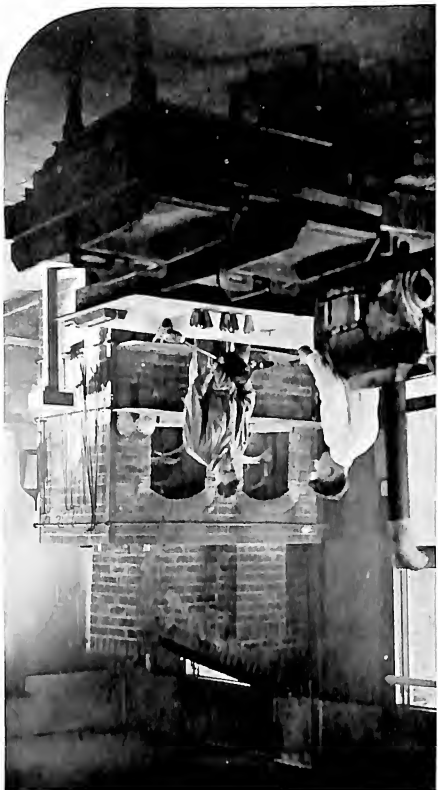
## STATE

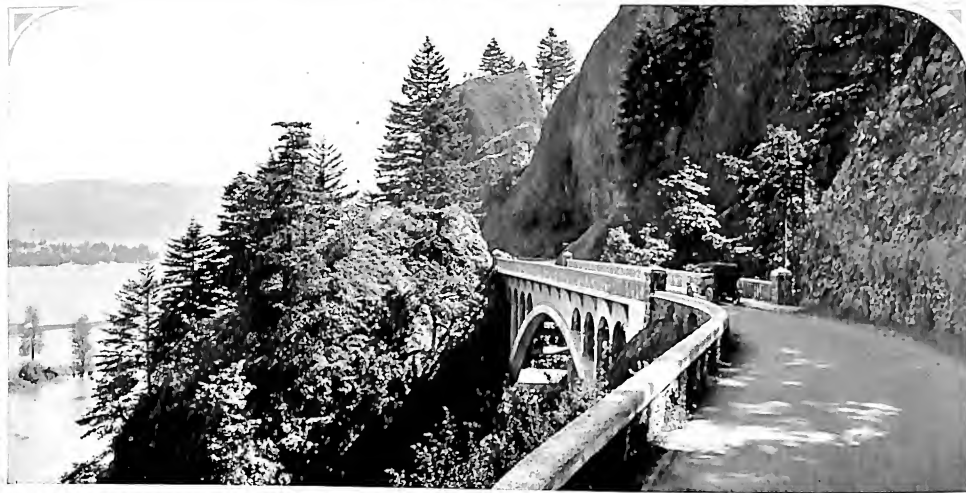


## COLLEGE

The finest talents are required of the man really qualified and devoted to mining work. For many years the College has turned out men prepared to search out, produce, and prepare for use, the metals so needed by modern industrial life. The state is on the threshold of a great awakening in the mining industry, which will be measured only by the leaders available to do the work. These men will have the satisfaction that springs from adding new wealth to civilization, wealth that robs no one and enriches many.

THE MINES BUILDING.  
FIRE ASSAYING LABORATORY.





## STATE

*Efficiency and economy in building roads calls for the services of hundreds of highway engineers. Up to the present time the state has used every available man qualified for this work by the College, and is still asking for more. Obviously, Oregon trained men, understanding Oregon conditions, are an advantage to the state in the solution of perplexing points in road building. These problems need the resources of men who will devote their lives to investigation and research as well as to practical problems of construction.*

SHEPHERDS DELL BRIDGE ON COLUMBIA  
HIGHWAY.  
HIGHWAY CONSTRUCTION IN OREGON.



## COLLEGE

*Oregon's definite, constructive program for permanent highways and market roads creates a general demand for engineers to plan and execute the work. For many years these positions will be opening up faster than men can be prepared to fill them. In the new engineering laboratory facilities for training in this work are thoroughly modern and complete. In all the departments of the College there is the splendid incentive of a broad scientific course of study, wise leadership in instruction, and the emulation of a band of Oregon's finest youths.*



THE ENGINEERING LABORATORY.  
OPERATING WEIGHT TESTING MACHINE.



## STATE

*To harness the millions of horse-power now tumbling into useless foam at the feet of our great falls and to utilize the powerful rivers for generating electricity and for irrigating the orchards and farms, invites the aggressive leadership of the college-trained engineer. A graduate of O. A. C. had a large part in the designing and building of the huge reservoir and pumping stations at Savage Rapids near Grants Pass that will irrigate 16,000 acres of beautiful farm land. This is but one of many instances in which the graduates of the College are constructively turning their training to the improvement of natural conditions in the state. There is large opportunity for the expansion of this work, as cooperation and capital can be enlisted.*

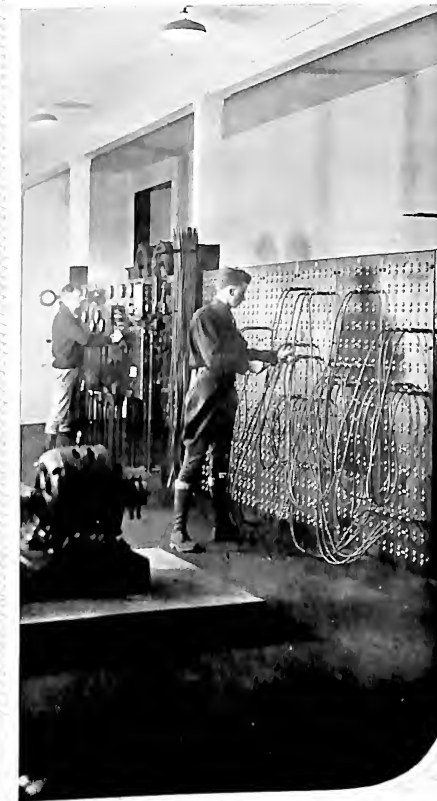
OREGON CITY FALLS.  
THE NEW SAVAGE RAPIDS DAM ON  
ROGUE RIVER.



## COLLEGE

*Engineering, in all its phases—electrical, civil, mechanical, highway, and irrigation—is a field that attracts men. The state's many and varied manufacturing establishments, power plants, and industries, all demand young men with technical training. The field is wide, the compensation is ample, and opportunities for advancement in responsibility and service are limited only by the ability and training of the engineer himself. No state offers richer opportunities for bringing the resources of nature into constant service of man through engineering projects than Oregon. As population and wealth increase, engineering works of unprecedented magnitude and power will become possible.*

APPERSON HALL.  
STUDENTS OPERATING SWITCHBOARD.







COMMERCE.

## STATE

*Every vocation in life has its business side. From the ports of Portland and Astoria, from the commercial institutions and industries of Oregon comes an insistent demand for leaders, trained in the specific fields of commercial technology. Every year hundreds of thinking young men and women are graduated from the College—ready to enlist in the present-day movement for efficiency, economy, and power in business. Their services have been chiefly enlisted in the development of Oregon and the Pacific Northwest but have been limited to no particular sphere or geographical location. South America, Great Britain, Siberia, Japan, and the Philippines have in the past all been fields for their successful efforts.*

PORT OF ASTORIA.  
PORT OF PORTLAND.



## COLLEGE

*Vigilant to the needs of the state for skilled business men and women, the College offers, through its School of Commerce, broad courses in economics, sociology, and political science, in addition to technical training in business administration and office training. Here, behind the walls of the new Commerce Building, the future industrial and business leaders of the state are being trained. That their training is efficient is the testimony of bankers, lumbermen, railroad officials, school directors and others who have employed them in their business. It is evidenced also by the successful commercial enterprises that many of the graduates have established for themselves.*

NEW HALL OF COMMERCE.  
OFFICE TRAINING WORK.



COMMERCE.



SUMMER VIEW OF COMMERCE HALL.  
COMMERCE HALL LABORATORY.



Not only does the School of Commerce develop specialists in virtually every line of industrial enterprise, but it also coordinates its work with the other schools and departments, that the farmer, the engineer, the forester, and the homemaker may receive instruction in the commercial side of their chosen vocations. Large as is the School of Commerce, therefore, in its own enrollment, it serves twice this number of students by instructing those registered in other schools in the elements of business, economics, and political science. The Bureau of Markets, that gathers statistics and studies at first hand the marketing problems and resources of the state, is connected with the School of Commerce. It is chiefly concerned with problems of cooperative marketing.

COLLEGE

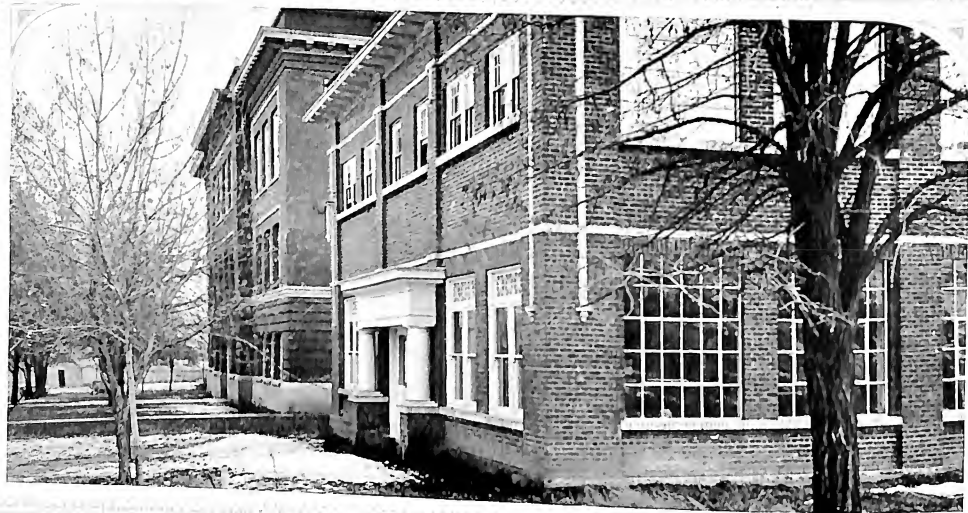


INTERIOR OF FIRST NATIONAL BANK OF CORVALLIS.  
FIRST NATIONAL BANK OF PORTLAND.

Leading banks and other commercial institutions of the state express a very positive preference for college-trained men, at proportionately higher salaries. On all important projects business experts are now generally consulted. Small wonder, then, that the state has provided a new building, equipped with adequate and attractive laboratories, classrooms and offices, to prepare for this important work. The first annual Business Show, designed to bring together for conference and exhibition the representative business and civic organizations of the state, is scheduled to take place March 9 and 10, 1923, in the new Commerce building at O. A. C.

STATE



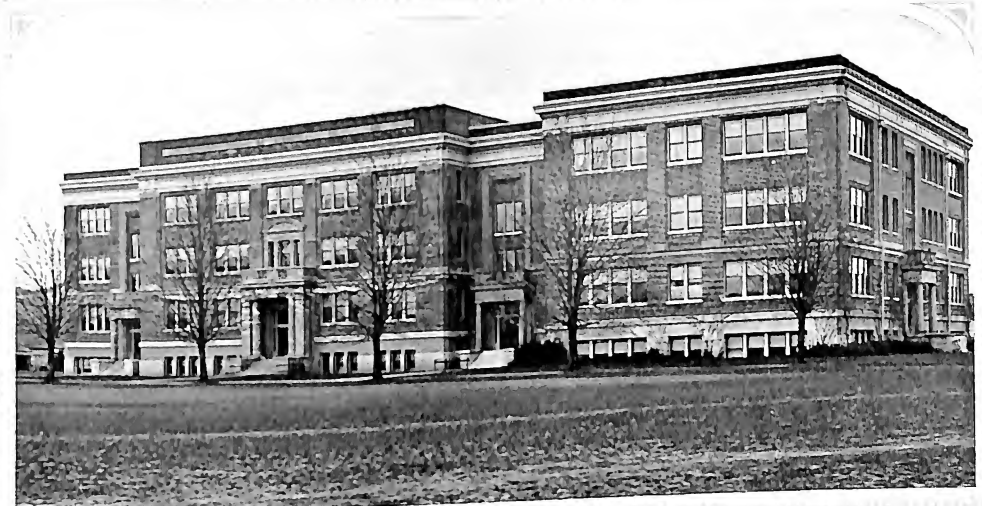


## STATE

*Progressive schools, like the one at La Grande, are calling upon graduates in Home Economics to help plan their new buildings for this work as well as to instruct their youth; modern hotels, tea-rooms, hospitals, and great manufacturing and merchandising concerns are entrusting to them their nutrition and serving problems, and the homes and institutions are more and more depending on their judgment and skill. The state has had ample evidence, on important occasions, of the fact that the leadership in this work at the College is wise and constructive. The San Francisco exposition, where the school conducted a successful tea-room, is but one instance among many.*

HOME ECONOMICS HIGH SCHOOL BUILDING  
AT LA GRANDE.  
INTERIOR OF MULTNOMAH HOTEL GRILL.

HOME ECONOMICS.



## COLLEGE

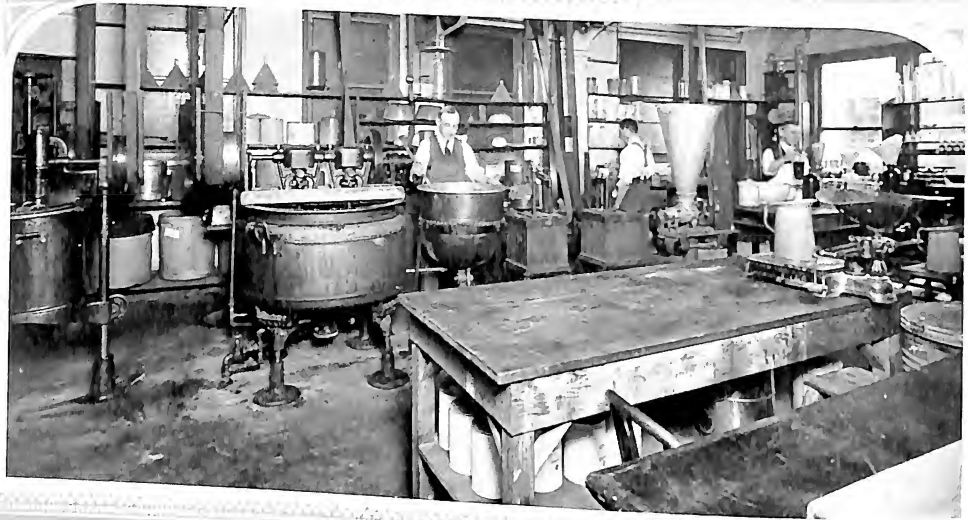
*Thousands of Oregon homes have been helped and made brighter through the introduction of modern methods of household economy, and the message of scientific feeding and nutrition, child welfare, and home nursing, that has been carried by home economics graduates to towns and communities in nearly every district in the state. Many new vocations are opening up to women in the business and professional world for which the kind of training offered in the School of Home Economics affords a splendid foundation for success. The work is keeping pace with the best standards in the land-grant colleges of the country, which recognize O. A. C. as a pioneer in home economics teaching.*

HOME ECONOMICS BUILDING.  
THE COLLEGE TEA-ROOM.



HOME ECONOMICS.





PHARMACY.

MANUFACTURING DEPARTMENT OF  
BLUMAUER & FRANK DRUG CO.  
A WELL-ORGANIZED PRESCRIPTION DRUG  
STORE.

## STATE

The public has become thoroughly awake to the need of pure foods and drugs. Federal and state laws demand high standards. They make it necessary that practicing pharmacists be thoroughly familiar with all drugs and their preparation. The Oregon Pharmacy law, enacted in 1921, recognizes two classes of pharmacists; namely, registered pharmacists and assistant registered pharmacists. A registered pharmacist must have completed at least two years in a degree course of a college of Pharmacy recognized by the American Conference of Pharmaceutical Faculties. He must also pass the examination of the State Board of Pharmacy. He is then competent to operate a drug store, compound medical preparations, dispense prescriptions, sell poisons, and train assistant pharmacists. The assistant registered pharmacist assists the pharmacist but cannot compound medical preparations, dispense prescriptions, or perform other such responsible duties.



## COLLEGE

All work offered by the O. A. C. School of Pharmacy meets the highest requirements of pharmaceutical instruction. The School is a member of the American Conference of Pharmaceutical Faculties. All its courses of study are registered by the New York Board of Higher Education, and approved by the Oregon State Board of Pharmacy. Students who pursue the regular degree courses in the School are given credit for practical drug-store experience because of the thoroughly practical nature of its laboratory courses. Its theoretical instruction is regarded as standard in preparation for the state examinations in pharmacy. Students of the School are uniformly successful in passing the examinations of the State Board of Pharmacy. As a consequence of these conditions, the closest relationship of mutual interest and cooperation exists between the School of Pharmacy and the manufacturing and dispensing pharmacists of the state. Graduates of the School find a hearty welcome everywhere in the profession.

SCIENCE HALL.  
AT WORK IN THE PHARMACY LABORATORY.



PHARMACY.



## STATE

The operation of the Smith-Hughes Act of the National Congress has given great impetus to the teaching of vocational subjects, especially in high schools. The demand for teachers of agriculture, commerce, home economics, industrial arts and allied subjects has increased accordingly. Indeed, the demand so far exceeds the supply of competently trained teachers, that the shortage of qualified men and women is at present the most serious obstacle to the expansion of the work. High schools are finding constructive value in their agricultural courses, which are not only enriching the interests of high school students but enlisting the enthusiastic support of rural communities. Industrial arts, commercial subjects, home economics, printing, and similar courses all tend to awaken new confidence in school training on the part of a large class of people who feel the need of this type of instruction. School life is thus given a new and invigorating impulse. The effect upon the schools and the community is mutually beneficial.

A CLASS IN SMITH-HUGHES AGRICULTURE  
JUDGING COWS.  
KEEPING RECORDS OF MILK PRODUCTION.

VOCATIONAL EDUCATION.



## COLLEGE

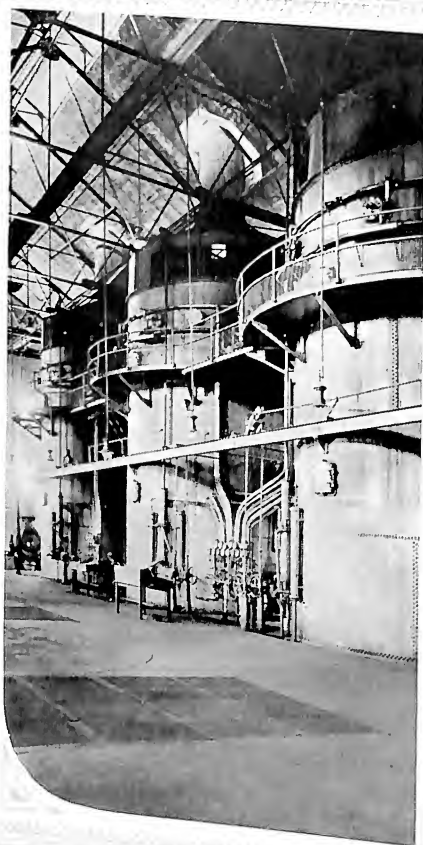
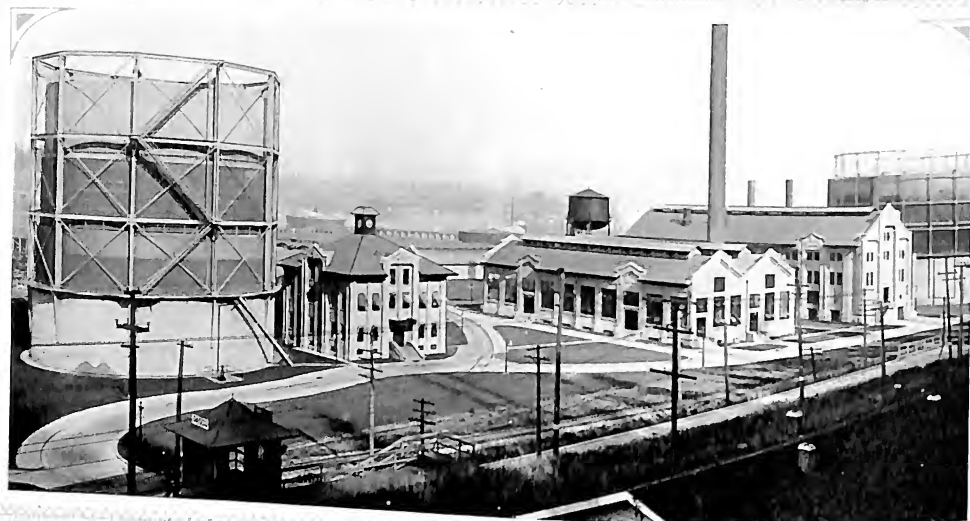
The School of Vocational Education at the College trains the young people in the principles of education, psychology, and technique that qualify them, along with their scientific and general training, to take positions as Smith-Hughes teachers of agriculture, home economics, and other specialties. It supplements the work of the School of Agriculture, for instance, in preparing young men to teach agriculture. In the same way it supplements the work of the departments of home economics, commerce, industrial arts, etc. The College provides practice teaching as well as laboratory and field work. Thus the prospective teacher comes to know intimately the problems to be confronted in the teaching profession. For the man or woman who has had also some experience with the vocation he is to teach, the work offers unusual opportunities. For the teacher who has had successful experience in administrative positions, and adds to his general training the necessary technical training at the College, the work offers an almost unlimited opportunity for future advancement.

THE HOME OF VOCATIONAL EDUCATION.  
AN O. A. C. PRACTICE CLASS AT THE  
CORVALLIS SCHOOLS.



VOCATIONAL EDUCATION.





CHEMICAL ENGINEERING.

## STATE

Chemical Engineering is a comparatively new branch of specialized training. The work of the chemical engineer, however, has for years been a salient factor in many fields of manufacturing. Some of our greatest industries ascribe their success to the work of their chemical engineers in showing how to utilize their by-products and cut down net expenses. One great manufacturing concern has been employing ten percent of all the graduate chemists that our colleges have turned out in recent years. All large manufacturing plants are more or less dependent upon the industrial chemist to standardize their products, to make them conform to requirements of the pure food and drugs laws, or to give them distinction. As a consequence there is a general demand for trained chemical engineers. The opportunities in Oregon are many and attractive. For chemical engineering, "which improves products, abolishes waste, establishes new industries, and preserves life, may reach out helpfully into all the activities of our great nation that are dependent on the transformation of matter.

MANUFACTURING PLANT OF PORTLAND GAS AND COKE COMPANY.  
THE GAS GENERATORS IN OPERATION.



## COLLEGE

The College has peculiar resources for training in chemical engineering by reason of the wide practical contacts it has with the industrial life of the state. The chemistry of feeds for livestock links up with the School of Agriculture. The chemistry of wood products and of paper making has its contacts with the School of Forestry. The chemistry of foods and drugs is vital to the School of Pharmacy. Mineral chemistry is a factor in the School of Mines. The chemistry of oils, fuels, and building material is a part of the instruction in the School of Engineering. Household chemistry is indispensable to the School of Home Economics. The whole field of chemistry in war is of significance to the department of military science and tactics. Thus in dozens of ways the student in chemical engineering has the encouragement and incentive of wide interest in his work on the campus. Many industries of the state, moreover, invite and enlist his cooperation in the solution of their industrial problems.

GENERAL VIEW OF THE CHEMICAL ENGINEERING LABORATORY.  
SOLVING PROBLEMS OF THEORY AND PRACTICE.



CHEMICAL ENGINEERING.



# Oregon Agricultural College

The work of the Oregon Agricultural College is organized into three main divisions:  
RESIDENT INSTRUCTION, EXPERIMENT STATION, and EXTENSION SERVICE.

## THE RESIDENT INSTRUCTION DIVISION includes:

*The School of Agriculture* (B.Sc., M.S. Degrees)  
With departments of Animal Husbandry, Dairy Husbandry, Farm Crops, Farm Management, Farm Mechanics, Horticulture (including Pomology, Vegetable Gardening, Landscape Gardening, Floriculture, and Horticultural Products), Poultry Husbandry, Soils, and Veterinary Medicine.

*The School of Basic Arts and Sciences*  
With departments of Art and Rural Architecture, Bacteriology, Botany and Plant Pathology, Chemistry, English Language and Literature, Entomology, History, Mathematics, Modern Languages, Physics, Public Speaking and Dramatics, and Zoology and Physiology.

*The School of Commerce* (B.Sc. Degree)  
With departments of Business Administration, Economics and Sociology, Office Training and Stenography, and Political Science.

*The School of Engineering and Mechanic Arts* (B.Sc., C.E., E.E., M.E. Degrees)  
With departments of Civil Engineering, Electrical Engineering, Highway Engineering, Industrial Arts, Mechanics and Materials, and Mechanical Engineering.

*The School of Forestry* (B.Sc., M.S. Degrees)  
With departments of General Forestry and Logging Engineering.

*The School of Home Economics* (B.Sc., M.S. Degrees)  
With departments of Home Economics Education, Household Administration, Household Art, Household Science, and Institutional Management.

*The School of Mines* (B.Sc. Degree)  
With departments of Geology, Metallurgy, and Mining Engineering.

*The School of Pharmacy* (B.Sc., Ph.C., Ph.C. Degrees)

*The School of Vocational Education* (B. Sc. Degree)  
With departments of Agricultural Education, Commercial Education, Education Home Economics Education, Industrial Education, and Psychology.

*The Department of Chemical Engineering* (B.Sc. Degree)  
Including Reserve Officers' Training Corps in Infantry, Field Artillery, Engineers, Motor Transport, and Cavalry.

*The General Departments*  
Industrial Journalism, Library Practice, Physical Education for Men, and Physical Education for Women.

*The School of Music* (Music Diploma)  
With departments of Harmony, Theory, Voice, Piano, Violin, Pipe-organ, and Orchestra.

*The Short Sessions*  
Including the Summer Session and Winter Short Courses.



OK  
Scott P. Sweeney  
Grand President  
May 12, 1923

